

# BROKEN

# COMPUTER

MICROCOMPUTER EDITION

# GAMES

201 Awful Games to Debug for Your Home Computer

By yourself or with others. Each complete with programming and sample run. For NaNoGenMo 2022



kay savetz

### 23 Orbit

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

23 MATCHES

DISTANCE FROM THE CENTER OF YOUR PLANET IS FROM  
10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN  
CIRCLE YOUR PLANET ONCE EVERY 12 TO 36 HOURS.

YOU ARE UNABLE TO SEE THEM, BUT WITH A SPECIAL  
HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE  
YOUR PLANET'S GRAVITY.

ANGLE (BETWEEN 0 AND 360) AND A DISTANCE IN UNITS OF  
DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN.  
WILL DESTROY IT.

BELOW IS A DIAGRAM TO HELP YOU VISUALIZE YOUR FLIGHT.

LET'S FLIP A COIN TO SEE WHO GOES FIRST.

```

                                90
          00000  XXXXXXXXXXXXXXX  00000
180<== 00000  XXXXXXXXXXXXXXXXXXXXXXX  00000 ==>0
          0000  XXXXXXXXXXXXXXXXXXXXXXX  0000
          0000  XXXXXXXXXXXXXXXXXXXXXXX  0000
          00000  XXXXXXXXXXXXXXX  00000
          00000  XXXXXXXXXXXXXXX  00000
                                270
```

X - YOUR PLANET

ON THE ABOVE DIAGRAM, THE ROMULAN SHIP IS CIRCLING  
WITHOUT SUFFICIENT POWER THE ROMULAN SHIP'S ALTITUDE  
HEADS! I WIN! HA! HA!  
PREPARE TO LOSE, MEATBALL-NOSE!!  
GOOD LUCK. THE FEDERATION IS COUNTING ON YOU.

> > > >

```

0 PRINT "### 23 Orbit"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT:PRINT:PRINT
15 PRINT
20 PRINT TAB(31);"23 MATCHES"
25 PRINT "DISTANCE FROM THE CENTER OF YOUR PLANET IS FROM"
30 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT "10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN"
31 PRINT "CIRCLE YOUR PLANET ONCE EVERY 12 TO 36 HOURS."
40 PRINT:PRINT:PRINT
45 PRINT "YOU ARE UNABLE TO SEE THEM, BUT WITH A SPECIAL"
60 PRINT "HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE"
65 PRINT "YOUR PLANET'S GRAVITY."
90 PRINT "ANGLE (BETWEEN 0 AND 360) AND A DISTANCE IN UNITS OF"
100 PRINT "DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN."
111 PRINT "WILL DESTROY IT."
114 PRINT
115 PRINT "BELOW IS A DIAGRAM TO HELP YOU VISUALIZE YOUR FLIGHT."
116 PRINT
130 PRINT
140 PRINT "LET'S FLIP A COIN TO SEE WHO GOES FIRST."
155 PRINT
168 PRINT "
                                90"
170 Q = INT(2*RND(5))
175 PRINT "
                                00000  XXXXXXXXXXXXXXXX  00000"
179 PRINT "180<== 00000  XXXXXXXXXXXXXXXXXXXXXXXX  00000 ==>0"
181 PRINT "
                                0000  XXXXXXXXXXXXXXXXXXXX  0000"
182 PRINT "
                                0000  XXXXXXXXXXXXXXXXXXXX  0000"
183 PRINT "
                                00000  XXXXXXXXXXXXXXXX  00000"
184 PRINT "
                                00000  XXXXXXXXXXXXXXXX  00000"
190 PRINT "
                                270"
195 PRINT
195 PRINT "X - YOUR PLANET"
198 PRINT "ON THE ABOVE DIAGRAM, THE ROMULAN SHIP IS CIRCLING"
200 PRINT "WITHOUT SUFFICIENT POWER THE ROMULAN SHIP'S ALTITUDE"
210 PRINT "HEADS! I WIN! HA! HA!"
220 PRINT "PREPARE TO LOSE, MEATBALL-NOSE!!"
230 PRINT
230 PRINT "GOOD LUCK. THE FEDERATION IS COUNTING ON YOU."
260 N = N - 2
280 PRINT
300 PRINT "HOW MANY DO YOU WISH TO REMOVE",
310 INPUT K
325 PRINT
340 N = N - K
350 PRINT "THERE ARE NOW";N;"MATCHES REMAINING."
360 INPUT D1
370 Z = 4 - K
370 A=A+R
400 N = N - Z
400 T=ABS(A-A1)
430 PRINT "VERY FUNNY! DUMMY!"
440 PRINT "DO YOU WANT TO PLAY OR GOOF AROUND?"
440 PRINT "YOUR PHOTON BOMB EXPLODED";C;"*10^2 MILES FROM THE"
470 PRINT
470 PRINT "YOU HAVE SUCCESSFULLY COMPLETED YOUR MISSION."
480 PRINT"YOU POOR BOOB! YOU TOOK THE LAST MATCH! I GOTCHA!!"
490 PRINT "HA ! HA ! I BEAT YOU !!!"
500 PRINT
500 PRINT "ANOTHER ROMULAN SHIP HAS GONE INTO ORBIT."
510 PRINT "GOOD BYE LOSER!"
520 INPUT C$
530 PRINT "YOU WON, FLOPPY EARS !"
540 PRINT "THINK YOU'RE PRETTY SMART !"
540 PRINT "GOOD BYE."
560 STOP
570 END

```



```

0 PRINT "### Amazing Orbit"
6 PRINT:PRINT:PRINT
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 PRINT "THE SHIP IS IN A CONSTANT POLAR ORBIT. ITS"
65 PRINT "YOUR PLANET'S GRAVITY."
70 PRINT
75 PRINT "YOUR PLANET HAS ENOUGH POWER TO FIRE ONE BOMB AN HOUR."
85 PRINT "AT THE BEGINNING OF EACH HOUR YOU WILL BE ASKED TO GIVE AN"
90 PRINT "ANGLE (BETWEEN 0 AND 360) AND A DISTANCE IN UNITS OF"
100 PRINT "DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN."
110 DIM W(H,V),V(H,V)
110 PRINT "AN EXPLOSION WITHIN 5,000 MILES OF THE ROMULAN SHIP"
115 PRINT "BELOW IS A DIAGRAM TO HELP YOU VISUALIZE YOUR FLIGHT."
117 PRINT
150 PRINT
170 PRINT "
                                00000000000000"
172 PRINT "
                                000000          000000"
173 PRINT ".  ";
176 PRINT "
                                0000          XXXXXXXXXXXXXXXX          0000"
183 PRINT "
                                00000          XXXXXXXXXXXXXXXX          00000"
184 PRINT "
                                00000          XXXXXXXXXXXXXXXX          00000"
188 PRINT "
                                00000000000000"
190 PRINT ". "
190 PRINT "
                                270"
192 PRINT
195 PRINT "X - YOUR PLANET"
197 PRINT
210 PRINT "AND ORBITAL RATE WILL REMAIN CONSTANT."
230 PRINT "GOOD LUCK. THE FEDERATION IS COUNTING ON YOU."
270 A=INT(360*RND(1))
280 D=INT(200*RND(1)+200)
290 R=INT(20*RND(1)+10)
310 X=INT(RND(1)*3+1)
320 H=H+1
326 PRINT
330 PRINT "THIS IS HOUR";H;". AT WHAT ANGLE DO YOU WISH TO SEND"
335 PRINT "YOUR PHOTON BOMB";
340 INPUT A1
350 X=INT(RND(1)*3+1)
365 PRINT
366 PRINT
400 T=ABS(A-A1)
470 PRINT "YOU HAVE SUCCESSFULLY COMPLETED YOUR MISSION."
490 PRINT "YOU HAVE ALLOWED THE ROMULANS TO ESCAPE."
500 PRINT "ANOTHER ROMULAN SHIP HAS GONE INTO ORBIT."
540 PRINT "GOOD BYE."
570 X=INT(RND(1)*3+1)
790 W(R-1,S)=C
960 Z=1
999 END
1011 PRINT "I";
1030 PRINT " I";
1073 END

```

### Animal Bounce

ANIMAL  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

PLAY 'GUESS THE ANIMAL'

THINK OF AN ANIMAL AND THE COMPUTER WILL TRY TO GUESS IT.

OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF  
ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION  
COEFFICIENCY (LESS THAN 1).

'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY).

TIME INCREMENT (SEC)

VELOCITY (FPS)

FEET

IS IT A > >

```

0 PRINT "### Animal Bounce"
10 PRINT TAB(32);"ANIMAL"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
40 PRINT "PLAY 'GUESS THE ANIMAL'"
45 PRINT
50 PRINT "THINK OF AN ANIMAL AND THE COMPUTER WILL TRY TO GUESS IT."
60 PRINT
70 DIM A$(200)
90 DIM T(20)
110 N=VAL(A$(0))
110 PRINT "OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF"
120 REM MAIN CONTROL SECTION
120 PRINT "ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION"
130 PRINT "COEFFICIENCY (LESS THAN 1)."

```

### Animal Bullfight

ANIMAL

PLAY 'GUESS THE ANIMAL'

THINK OF AN ANIMAL AND THE COMPUTER WILL TRY TO GUESS IT.

HERE IS YOUR BIG CHANCE TO KILL A BULL.

THE ANIMAL YOU WERE THINKING OF WAS A 1 - LESS DANGEROUS OUTSIDE MOVE  
OF THE CAPE

> > >



```

0 PRINT "### Animal Bullfight"
10 PRINT TAB(32);"ANIMAL"
30 PRINT: PRINT: PRINT
40 PRINT "PLAY 'GUESS THE ANIMAL'"
45 PRINT
50 PRINT "THINK OF AN ANIMAL AND THE COMPUTER WILL TRY TO GUESS IT."
60 PRINT
70 DIM A$(200)
160 K=1
200 PRINT "IS IT A ";RIGHT$(A$(K),LEN(A$(K))-2);
200 PRINT:PRINT:PRINT
220 PRINT "HERE IS YOUR BIG CHANCE TO KILL A BULL."
240 INPUT "THE ANIMAL YOU WERE THINKING OF WAS A ";V$
260 PRINT "1 - LESS DANGEROUS OUTSIDE MOVE OF THE CAPE"
340 A$(0)=STR$(Z1+2)
360 A$(Z1+1)="\"A"+V$
370 A$(K)="\"Q"+X$+"\""+A$+STR$(Z1+1)+"\""+B$+STR$(Z1)+"\"
400 Q$=A$(K)
400 PRINT
420 INPUT C$
430 C$=LEFT$(C$,1)
430 D(4)=1
450 T$="\""+C$
475 STOP
505 STOP
510 K=VAL(MID$(Q$,X+2,Y-X-2))
530 PRINT "YOU'RE LUCKY."
570 PRINT
660 PRINT
670 PRINT
690 D(3)=D(3)+1
880 M=.5
930 L=L+M
1155 PRINT "HOW DO YOU TRY TO KILL THE BULL";
1160 INPUT H
1370 PRINT "UNLES THE BULL DOES FIRST."
1440 PRINT "THE CROWD CHEERS!":PRINT
1590 PRINT "ADIOS":PRINT:PRINT:PRINT
1610 B=3/A*AND(1)
1660 C=.1
1920 REM

```

### Animal Trap

TRAP  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

INSTRUCTIONS? YOU ARE TO ENTER 2 NUMBERS, TRYING TO TRAP  
MY NUMBER BETWEEN THE TWO NUMBERS. I WILL  
ARE YOU THINKING OF AN ANIMAL MY NUMBER IS SMALLER THAN YOUR TWO  
NUMBERS.  
YOU GET 6 GUESSES TO GET MY NUMBER.

GUESS #> >

```

0 PRINT "### Animal Trap"
1 PRINT TAB(34);"TRAP"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
10 G=6
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 N=100
30 PRINT: PRINT: PRINT
40 REM-STEVE ULLMAN, 8-1-72
45 PRINT
50 PRINT "INSTRUCTIONS";
60 PRINT
60 INPUT Z$
100 PRINT "YOU ARE TO ENTER 2 NUMBERS, TRYING TO TRAP"
110 N=VAL(A$(0))
110 PRINT "MY NUMBER BETWEEN THE TWO NUMBERS. I WILL"
120 REM          MAIN CONTROL SECTION
130 INPUT "ARE YOU THINKING OF AN ANIMAL";A$
140 PRINT "MY NUMBER IS SMALLER THAN YOUR TWO NUMBERS."
170 PRINT "YOU GET";G;"GUESSES TO GET MY NUMBER."
180 X=INT(N*RND(1))+1
200 PRINT "IS IT A ";RIGHT$(A$(K),LEN(A$(K))-2);
200 PRINT
210 PRINT "GUESS #";Q;
220 INPUT A,B
250 PRINT "PLEASE TYPE IN A QUESTION THAT WOULD DISTINGUISH A"
260 PRINT U$;" FROM A ";RIGHT$(A$(K),LEN(A$(K))-2)
280 PRINT "MY NUMBER IS LARGER THAN YOUR TRAP NUMBERS."
300 PRINT "MY NUMBER IS SMALLER THAN YOUR TRAP NUMBERS."
320 PRINT "YOU HAVE TRAPPED MY NUMBER."
330 Z1=VAL(A$(0))
340 A$(0)=STR$(Z1+2)
345 PRINT
350 A$(Z1)=A$(K)
360 R=A
370 A=B
390 REM          SUBROUTINE TO PRINT QUESTIONS
400 PRINT "YOU GOT IT!!!"
420 PRINT "TRY AGAIN."
430 C$=LEFT$(C$,1)
430 PRINT
450 END
510 K=VAL(MID$(Q$,X+2,Y-X-2))
530 DATA "4","\QDOES IT SWIM\Y2\N3\","\AFISH","\ABIRD"
605 X=0
660 PRINT
670 PRINT

```

### Awari Basketball

BASKETBALL

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
THIS IS DARTMOUTH COLLEGE BASKETBALL. YOU WILL BE DARTMOUTH

FOLLOWS: 6. PRESS; 6.5 MAN-TO MAN; 7. ZONE; 7.5 NONE.

CHOOSE YOUR OPPONENT AGAIN

\*\*\*\*\* END OF SECOND HALF \*\*\*\*\*

SCORE AT END OF REGULATION TIME:  
DARTMOUTH:> > >

```

0 PRINT "### Awari Basketball"
5 PRINT TAB(31);"BASKETBALL"
7 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
10 DATA 0
10 PRINT "THIS IS DARTMOUTH COLLEGE BASKETBALL.  YOU WILL BE DARTMOUTH"
20 PRINT:PRINT:E=0
70 PRINT "FOLLOWS:  6. PRESS; 6.5 MAN-TO MAN; 7. ZONE; 7.5 NONE."
79 PRINT
80 INPUT "CHOOSE YOUR OPPONENT";O$
100 PRINT "AGAIN";
425 PRINT
492 PRINT:PRINT "      ***** END OF SECOND HALF *****":PRINT
493 PRINT "SCORE AT END OF REGULATION TIME:"
494 PRINT "      DARTMOUTH:";S(1);"      ";O$;" ";S(0)
495 PRINT
499 T=93
520 STOP
620 PRINT
800 D=-99:H=13
825 L=B(I)+I:R=0
1050 PRINT "JUMP SHOT"
1130 PRINT "REBOUND TO ";O$
1160 PRINT "BALL PASSED BACK TO YOU. ";
1235 PRINT "DARTMOUTH."
1255 PRINT "SHOOTER IS FOULED.  TWO SHOTS."
3018 PRINT
3020 Z1=10/4*RND(1)+1
4030 S(1-P)=S(1-P)+2
4100 PRINT "BOTH SHOTS MISSED."

```

### Awari Even

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

DO YOU WANT INSTRUCTIONS (YES OR NO)

AWARI

THE GAME IS PLAYED AS FOLLOWS:

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
AS AN ODD NUMBER. ON EACH TURN, A PLAYER MUST TAKE ONE,  
TRY IT!!!!

TO QUIT AT ANY TIME, TYPE A 'Q' AS YOUR MOVE.

> > >

```

0 PRINT "### Awari Even"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT
4 INPUT "DO YOU WANT INSTRUCTIONS (YES OR NO)";A$:PRINT
5 PRINT TAB(34);"AWARI"
6 PRINT "THE GAME IS PLAYED AS FOLLOWS:";PRINT
7 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
9 PRINT "AS AN ODD NUMBER.  ON EACH TURN, A PLAYER MUST TAKE ONE,"
15 PRINT "TRY IT!!!!": PRINT
16 PRINT "TO QUIT AT ANY TIME, TYPE A '0' AS YOUR MOVE.": PRINT
20 PRINT:PRINT:E=0
20 DIM R(1,5)
30 C=0:F(N)=0:B(13)=0:B(6)=0
80 PRINT:PRINT"GAME OVER"
90 P=INT((13*RND(1)+9)/2)*2+1
110 PRINT "THERE ARE";P;"CHIPS ON THE BOARD."
120 E1=E
130 L1=L
150 L=INT((P/6-INT(P/6))*6+.5)
190 P=P-M
210 PRINT "COMPUTER TAKES";M;"CHIPS LEAVING";P;"... YOUR MOVE";
240 M=INT(M)
290 P=P-M
330 PRINT "COMPUTER TAKES";P;"CHIPS."
340 R(E,L)=P
350 B=B+P
370 PRINT "GAME OVER ... YOU WIN!!!!": PRINT
400 R(E,L)=R(E,L)-1
420 PRINT "GAME OVER ... I WIN!!!!": PRINT
460 PRINT M;"IS AN ILLEGAL MOVE ... YOUR MOVE";
490 R(E1,L1)=R(E1,L1)-1
520 PRINT " " " ";PRINT B(6):PRINT " ";
550 PRINT "COMPUTER TAKES 1 CHIP."
600 P=B(M):B(M)=0
800 D=-99:H=13

```

### Bagels Gomoko

GOMOKO  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE  
INTERSECTION WITH A MARKER. THE OBJECT OF THE GAME IS TO GET  
5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR  
DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED  
WITH A '1' AND THE COMPUTER MOVES WITH A '2'.

THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON.

I AM THINKING OF A THREE-DIGIT NUMBER. TRY TO GUESS  
PICO - ONE DIGIT CORRECT BUT IN THE WRONG POSITION  
FERMI - ONE DIGIT CORRECT AND IN THE RIGHT POSITION  
BAGELS - NO DIGITS CORRECT

> > > >



```

0 PRINT "### Bagels Gomoko"
2 PRINT TAB(33);"GOMOKO"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT:PRINT:PRINT
10 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY":PRINT:PRINT
15 REM *** BAGLES NUMBER GUESSING GAME
20 PRINT: PRINT "THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE"
40 Y=0:T=255
40 PRINT "INTERSECTION WITH A MARKER. THE OBJECT OF THE GAME IS TO GET"
50 PRINT:PRINT:PRINT
50 PRINT "5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR"
60 PRINT "DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED"
70 PRINT "WITH A '1' AND THE COMPUTER MOVES WITH A '2'."
80 PRINT: PRINT "THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON."
100 PRINT:PRINT "I AM THINKING OF A THREE-DIGIT NUMBER. TRY TO GUESS"
120 PRINT "    PICO    - ONE DIGIT CORRECT BUT IN THE WRONG POSITION"
130 PRINT "    FERMI   - ONE DIGIT CORRECT AND IN THE RIGHT POSITION"
140 PRINT "    BAGELS   - NO DIGITS CORRECT"
160 A(I)=INT(10*RND(1))
285 B(J)=A1(J)-48
300 PRINT "WHAT?"
300 PRINT: PRINT "WE ALTERNATE MOVES. YOU GO FIRST...": PRINT
315 PRINT
350 C=0:D=0
430 C=C+1
440 A(I,J)=1
500 REM *** COMPUTER TRIES AN INTELLIGENT MOVE ***
560 PRINT "FERMI ";
590 PRINT "BAGELS";
600 REM *** COMPUTER TRIES A RANDOM MOVE ***
615 PRINT "THAT'S TWNETY GUESSES. MY NUMBER WAS";100*A(1)+10*A(2)+A(3)
680 PRINT "YOU GOT IT!!!":PRINT
740 PRINT:PRINT "A";X;"POINT BAGELS BUFF!!"
750 PRINT "HOPE YOU HAD FUN. BYE."
800 REM *** PRINT THE BOARD ***
999 END

```

### Bagels Matches

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

23 MATCHES

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A GAME CALLED '23 MATCHES'.

WHEN IT IS YOUR TURN, YOU MAY TAKE ONE, TWO, OR THREE  
MY NUMBER AND I WILL GIVE YOU CLUES AS FOLLOWS:  
THE LAST MATCH.

LET'S FLIP A COIN TO SEE WHO GOES FIRST.  
TAILS! YOU GO FIRST.

PREPARE TO LOSE, MEATBALL-NOSE!!  
I TAKE 2 MATCHES

> > > >

```

0 PRINT "### Bagels Matches"
10 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY":PRINT:PRINT
20 REM *** ORIGINAL SOURCE UNKNOWN BUT SUSPECTED TO BE
20 PRINT TAB(31);"23 MATCHES"
30 DIM A(6),A(3),B(3)
30 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
40 PRINT:PRINT:PRINT
50 PRINT:PRINT:PRINT
80 PRINT " THIS IS A GAME CALLED '23 MATCHES'."
90 PRINT
100 PRINT:PRINT "I AM THINKING OF A THREE-DIGIT NUMBER.  TRY TO GUESS"
100 PRINT "WHEN IT IS YOUR TURN, YOU MAY TAKE ONE, TWO, OR THREE"
110 PRINT "MY NUMBER AND I WILL GIVE YOU CLUES AS FOLLOWS:"
120 PRINT "    PICO    - ONE DIGIT CORRECT BUT IN THE WRONG POSITION"
120 PRINT "THE LAST MATCH."
130 PRINT "    FERMI   - ONE DIGIT CORRECT AND IN THE RIGHT POSITION"
130 PRINT
140 PRINT "LET'S FLIP A COIN TO SEE WHO GOES FIRST."
190 PRINT "TAILS! YOU GO FIRST. "
195 PRINT
220 PRINT "PREPARE TO LOSE, MEATBALL-NOSE!!"
250 PRINT "I TAKE 2 MATCHES"
260 N = N - 2
270 PRINT "THE NUMBER OF MATCHES IS NOW" N
280 PRINT
285 B(J)=A1(J)-48
290 PRINT "YOUR TURN -- YOU MAY TAKE 1, 2 OR 3 MATCHES."
300 PRINT "WHAT?"
340 N = N - K
380 C=C+1
380 PRINT
383 Z = 2
385 Z = 1
390 PRINT "MY TURN ! I REMOVE" Z "MATCHES"
400 C=C+1
400 N = N - Z
450 C=C+1
450 PRINT "NOW, HOW MANY MATCHES DO YOU WANT",
470 PRINT
480 D=D+1
480 PRINT"YOU POOR BOOB! YOU TOOK THE LAST MATCH! I GOTCHA!!"
490 PRINT "HA ! HA ! I BEAT YOU !!!"
510 PRINT "GOOD BYE LOSER!"
530 PRINT "YOU WON, FLOPPY EARS !"
550 PRINT "LETS PLAY AGAIN AND I'LL BLOW YOUR SHOES OFF !!"
560 PRINT "FERMI ";
570 END
690 Y=Y+1
700 INPUT "PLAY AGAIN (YES OR NO)";A$
750 PRINT "HOPE YOU HAD FUN.  BYE."
999 END

```

### Batnum Even

EVEN WINS

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
TO PLAY THE GAME, THE PLAYERS NEED 27 MARBLES OR  
OTHER OBJECTS ON A TABLE.

REMOVING FROM 1 TO 4 MARBLES ON EACH MOVE. THE GAME  
IS THE ONE WITH AN EVEN NUMBER OF MARBLES.

THE GAME STARTS WITH AN ASSUMED PILE OF OBJECTS. YOU

DON'T USE ZERO, HOWEVER, IN PLAYING THE GAME.

? ?

LEFT. TRY AGAIN.

ENTER MIN AND MAX Not enough values input - redo from start

ENTER MIN AND MAX

ENTER MIN AND MAX

ENTER MIN AND MAX >

```

0 PRINT "### Batnum Even"
1 PRINT TAB(31);"EVEN WINS"
4 Y1=0
10 PRINT TAB(33);"BATNUM"
10 M1=0
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
40 PRINT "TO PLAY THE GAME, THE PLAYERS NEED 27 MARBLES OR"
50 PRINT "OTHER OBJECTS ON A TABLE."
70 PRINT
90 PRINT "REMOVING FROM 1 TO 4 MARBLES ON EACH MOVE. THE GAME"
110 PRINT "IS THE ONE WITH AN EVEN NUMBER OF MARBLES."
120 PRINT
140 PRINT "THE GAME STARTS WITH AN ASSUMED PILE OF OBJECTS. YOU"
170 PRINT
180 PRINT "DON'T USE ZERO, HOWEVER, IN PLAYING THE GAME."
220 INPUT C
350 INPUT Y
360 PRINT
410 PRINT "LEFT. TRY AGAIN."
430 INPUT "ENTER MIN AND MAX ";A,B
490 INPUT "ENTER START OPTION - 1 COMPUTER FIRST, 2 YOU FIRST ";S
550 M1=M1+M
640 M=1
660 M=4
690 W=1
700 PRINT "COMPUTER TAKES";N;"AND WINS."
720 P=Q-C*INT(Q/C)
730 M=R-1
770 N=N-P
790 W=0
800 PRINT "I PICK UP";M;"MARBLES."
810 PRINT
840 PRINT "I PICK UP";M;"MARBLES."
850 W=1
860 PRINT "TOTAL = 0"
940 N=N-P
970 PRINT "TOUGH LUCK, YOU LOSE."
1000 PRINT "CONGRATULATIONS, YOU WIN."
1080 PRINT
1090 PRINT
1130 PRINT "WHAT IS YOUR FIRST MOVE";
1140 INPUT Y
1170 PRINT "THE NUMBER OF MARBLES YOU TAKE MUST BE A POSITIVE"

```

\*\*\* Battle Bounce

BATTLE  
BOUNCE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF  
ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION  
COEFFICIENCY (LESS THAN 1).

'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY).

TIME INCREMENT (SEC)

VELOCITY (FPS)

COEFFICIENT

FEET

>

```

0 PRINT "### Battle Bounce"
5 PRINT TAB(33);"BATTLE"
10 PRINT TAB(33);"BOUNCE"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
90 DIM T(20)
110 PRINT "OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF"
120 PRINT "ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION"
130 PRINT "COEFFICIENCY (LESS THAN 1)."
```

131 PRINT

```

133 PRINT "'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY)."
```

134 PRINT

```

135 INPUT "TIME INCREMENT (SEC)";S2
140 PRINT
150 INPUT "VELOCITY (FPS)";V
160 B(2)=7:B(3)=7
160 PRINT
170 INPUT "COEFFICIENT";C
180 PRINT
182 PRINT "FEET"
```

184 PRINT

```

200 T(I)=V*C^(I-1)/16
225 L=0
245 L=L+S2
260 PRINT TAB(L/S2);"0";
275 T=T(I+1)/2
290 PRINT
350 B(1)=B
350 PRINT
355 PRINT " 0";
380 PRINT TAB(INT(L/S2));I;
400 PRINT
440 END
610 A(K+1)=A(K)+1
630 M=2
930 B(K+1)=Z2+1
950 F(A,B)=9-2*I-J
1064 PRINT
1170 PRINT "START GAME"
1210 PRINT "INVALID INPUT. TRY AGAIN."
1310 PRINT "SPLASH! TRY AGAIN."
1370 PRINT "A DIRECT HIT ON SHIP NUMBER";F(R,C)
1550 PRINT "YOU HAVE TOTALLY WIPED OUT THE 'BAD GUYS' FLEET"
```

### Bombardment High  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

		13	14	15			
		22	23	24			
							BOMBARDMENT
29	30	31	32	33	34	35	
!	!	!	!	!	!	!	
		!	!	!			
		!	!	!			

NUMBERS. OK, LET'S BEGIN.  
YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU  
HAVE 25 OUTPOSTS AVAILABLE WHERE THEY MAY BE PLACED.  
THE COMPUTER DOES THE SAME WITH ITS FOUR PLATOONS.  
THE OBJECT OF THE GAME IS TO FIRE MISSILES AT THE  
OUTPOSTS OF THE COMPUTER. IT WILL DO THE SAME TO YOU.  
THE ONE WHO DESTROYS ALL FOUR OF THE ENEMY'S PLATOONS  
FIRST IS THE WINNER.

TEAR OFF MATRIX AND USE IT TO CHECK OFF THE NUMBERS.  
? Not enough values input - redo from start  
? Not enough values input - redo from start  
? Not enough values input - redo from start  
?  
?  
? >



```

0 PRINT "### Bombardment High"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
7 PRINT "          13    14    15": PRINT
9 PRINT "          22    23    24": PRINT
10 PRINT TAB(33);"BOMBARDMENT"
11 PRINT "29    30    31    32    33    34    35": PRINT
14 PRINT "!      !      !      !      !      !      !"
16 PRINT "          !      !      !"
18 PRINT "          !      !      !"
24 PRINT "NUMBERS. OK, LET'S BEGIN."
79 DATA 13,14,15,22,23,24,29,30,31,32,33,34,35,38,39,40,41
81 DATA 42,43,44,47,48,49,50,51,52,53,58,59,60,67,68,69
100 PRINT "YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU"
110 PRINT "HAVE 25 OUTPOSTS AVAILABLE WHERE THEY MAY BE PLACED."
130 PRINT "THE COMPUTER DOES THE SAME WITH ITS FOUR PLATOONS."
140 PRINT "THE OBJECT OF THE GAME IS TO FIRE MISSILES AT THE"
150 PRINT "OUTPOSTS OF THE COMPUTER. IT WILL DO THE SAME TO YOU."
160 PRINT "THE ONE WHO DESTROYS ALL FOUR OF THE ENEMY'S PLATOONS"
170 PRINT "FIRST IS THE WINNER."
180 PRINT
210 PRINT "TEAR OFF MATRIX AND USE IT TO CHECK OFF THE NUMBERS."
260 DIM M(100)
380 C=INT(RND(1)*25)+1
490 INPUT G,H,K,L
500 REM *** PRINT BOARD
510 INPUT Y
610 REM
670 PRINT "I MISSED YOU, YOU DIRTY RAT. I PICKED";M". YOUR TURN:"
810 PRINT "TWO DOWN, TWO TO GO."
850 PRINT "THREE DOWN, ONE TO GO."
900 PRINT "MY TRANSISTOR&S RECUPE&RA&E!"
940 PRINT "I GOT YOU. IT WON'T BE LONG NOW. POST";X;"WAS HIT."
1000 REM *** UPDATE BOARD
1200 B(2)=-3: B(P)=-7
1220 C=C+1
1605 PRINT "THE GAME IS OVER."
1610 PRINT "YOU HAD";F;"PIECES REMAINING."
1615 PRINT: INPUT "PLAY AGAIN (YES OR NO)";A$
2010 END

```

### Bombardment Mugwump

MUGWUMP

HIDDEN ON A 10 BY 10 GRID. HOMEBASE IS POSITION 0,0.  
IS DISTANCE TO RIGHT OF HOMEBASE AND SECOND NUMBER  
IS DISTANCE ABOVE HOMEBASE.  
YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL  
YOU HOW FAR YOU ARE FROM EACH MUGWUMP.

YOU CAN ONLY PLACE ONE PLATOON AT ANY ONE OUTPOST.

OUTPOSTS OF THE COMPUTER. IT WILL DO THE SAME TO YOU.  
THE ONE WHO DESTROYS ALL FOUR OF THE ENEMY'S PLATOONS  
FIRST IS THE WINNER.  
GOOD LUCK... AND TELL US WHERE YOU WANT THE BODIES SENT!

> > > >

```

0 PRINT "### Bombardment Mugwump"
1 PRINT TAB(33);"MUGWUMP"
3 PRINT:PRINT:PRINT
10 DIM P(4,2)
30 PRINT:PRINT:PRINT
30 PRINT "HIDDEN ON A 10 BY 10 GRID. HOMEBASE IS POSITION 0,0."
60 PRINT "IS DISTANCE TO RIGHT OF HOMEBASE AND SECOND NUMBER"
70 PRINT "IS DISTANCE ABOVE HOMEBASE."
90 PRINT "YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL"
100 PRINT "YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU"
100 PRINT "YOU HOW FAR YOU ARE FROM EACH MUGWUMP."
110 PRINT
120 PRINT "YOU CAN ONLY PLACE ONE PLATOON AT ANY ONE OUTPOST."
135 PRINT
150 PRINT "OUTPOSTS OF THE COMPUTER. IT WILL DO THE SAME TO YOU."
160 PRINT "THE ONE WHO DESTROYS ALL FOUR OF THE ENEMY'S PLATOONS"
170 PRINT "FIRST IS THE WINNER."
190 PRINT "GOOD LUCK... AND TELL US WHERE YOU WANT THE BODIES SENT!"
200 PRINT
250 T=0
270 PRINT
280 I=(R-1)*5+1
290 PRINT I,I+1,I+2,I+3,I+4
290 PRINT "TURN NO.":T;"-- WHAT IS YOUR GUESS";
300 INPUT M,N
360 PRINT "YOU HAVE FOUND MUGWUMP":I
380 C=INT(RND(1)*25)+1
380 D=SQR((P(I,1)-M)^2+(P(I,2)-N)^2)
390 PRINT "YOU ARE":(INT(D*10))/10;"UNITS FROM MUGWUMP":I
410 F=INT(RND(1)*25)+1
440 PRINT
450 PRINT "YOU GOT THEM ALL IN":T;"TURNS!"
490 PRINT "SORRY, THAT'S 10 TRIES. HERE IS WHERE THEY'RE HIDING:"
495 PRINT
500 PRINT "WHERE DO YOU WISH TO FIRE YOUR MISSILE";
560 PRINT "MUGWUMP":I;"IS AT (":P(I,1);",";P(I,2);")"
580 PRINT
600 PRINT "THAT WAS FUN! LET'S PLAY AGAIN....."
610 PRINT "FOUR MORE MUGWUMPS ARE NOW IN HIDING."
630 PRINT "HA, HA YOU MISSED. MY TURN NOW:"
730 PRINT "YOU GOT ONE OF MY OUTPOSTS!"
770 PRINT "ONE DOWN, THREE TO GO."
900 PRINT "MY TRANSISTOR&S RECUPE&RA&E!"
940 PRINT "I GOT YOU. IT WON'T BE LONG NOW. POST":X;"WAS HIT."
990 PRINT "YOU HAVE ONLY THREE OUTPOSTS LEFT."
1099 END
1210 X=M
1220 M(P)=M

```

### Bombardment Slalom  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU

THE ONE WHO DESTROYS ALL FOUR OF THE ENEMY'S PLATOONS

GOOD LUCK... AND TELL US WHERE YOU WANT THE BODIES SENT!

TEAR OFF MATRIX AND USE IT TO CHECK OFF THE NUMBERS.

? ? ? Not enough values input - redo from start

?

?

? >

```

0 PRINT "### Bombardment Slalom"
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
100 PRINT "YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU"
135 PRINT
160 PRINT "THE ONE WHO DESTROYS ALL FOUR OF THE ENEMY'S PLATOONS"
180 PRINT
190 PRINT "GOOD LUCK... AND TELL US WHERE YOU WANT THE BODIES SENT!"
210 PRINT "TEAR OFF MATRIX AND USE IT TO CHECK OFF THE NUMBERS."
320 INPUT V
370 LET V=25
380 C=INT(RND(1)*25)+1
400 E=INT(RND(1)*25)+1
420 INPUT A
490 INPUT G,H,K,L
510 INPUT Y
520 PRINT
525 PRINT "YOU'RE OFF!"
570 LET S1=S
580 PRINT "OPTION";
590 INPUT O1
650 LET T=T+(Q-5+1)
710 Q=Q+1
730 PRINT "YOU GOT ONE OF MY OUTPOSTS!"
740 PRINT:PRINT "DO YOU WANT TO RACE AGAIN";
810 PRINT "TWO DOWN, TWO TO GO."
810 STOP
820 PRINT
920 Z=Z+1
940 PRINT "I GOT YOU. IT WON'T BE LONG NOW. POST";X;"WAS HIT."
945 PRINT "OPTION?"
1070 PRINT "YOU HAVE ONLY ONE OUTPOST LEFT."
1100 LET S=S-INT(RND(1)*(5-3))+3)
1160 P=P+1
1230 PRINT "YOU MADE IT!"
1240 LET T=T+1.5
1420 PRINT "WHAT?"
1490 REM
1550 PRINT "GATE MAX"
1680 PRINT "YOU WON A SILVER MEDAL"
1780 PRINT "SILVER MEDALS:";S(1)
1830 END

```

### Bounce Animal

ANIMAL  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

PLAY 'GUESS THE ANIMAL'

OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF  
ARE YOU THINKING OF AN ANIMAL  
'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY).  
TIME INCREMENT (SEC)  
VELOCITY (FPS)  
COEFFICIENT  
COEFFICIENT  
COEFFICIENT>

```

0 PRINT "### Bounce Animal"
10 PRINT TAB(32);"ANIMAL"
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 PRINT: PRINT: PRINT
40 PRINT "PLAY 'GUESS THE ANIMAL'"
45 PRINT
60 PRINT
70 DIM A$(200)
90 DIM T(20)
110 PRINT "OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF"
120 PRINT "ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION"
120 REM          MAIN CONTROL SECTION
130 PRINT "COEFFICIENCY (LESS THAN 1). "
130 INPUT "ARE YOU THINKING OF AN ANIMAL";A$
131 PRINT
133 PRINT "STROBING THE BALL'S FLIGHT (TRY .1 INITIALLY). "
135 INPUT "TIME INCREMENT (SEC)";S2
140 PRINT
150 INPUT "VELOCITY (FPS)";V
160 PRINT
170 INPUT "COEFFICIENT";C
180 PRINT
182 PRINT "FEET"
184 PRINT
186 S1=INT(70/(V/(16*S2)))
210 INPUT A$
240 INPUT "THE ANIMAL YOU WERE THINKING OF WAS A ";V$
260 PRINT TAB(L/S2);"0";
270 INPUT X$
275 T=T(I+1)/2
290 PRINT
310 PRINT TAB(1);
330 PRINT " ";
330 Z1=VAL(A$(0))
340 A$(0)=STR$(Z1+2)
360 A$(Z1+1)="A"+V$
370 A$(K)="Q"+X$+" "+A$+STR$(Z1+1)+" "+B$+STR$(Z1)+" "
380 PRINT TAB(INT(I/S2));I;
390 REM          SUBROUTINE TO PRINT QUESTIONS
400 PRINT
400 Q$=A$(K)
410 PRINT TAB(INT(L+1)/(2*S2)-2);"SECONDS"
420 PRINT
420 INPUT C$
430 C$=LEFT$(C$,1)

```

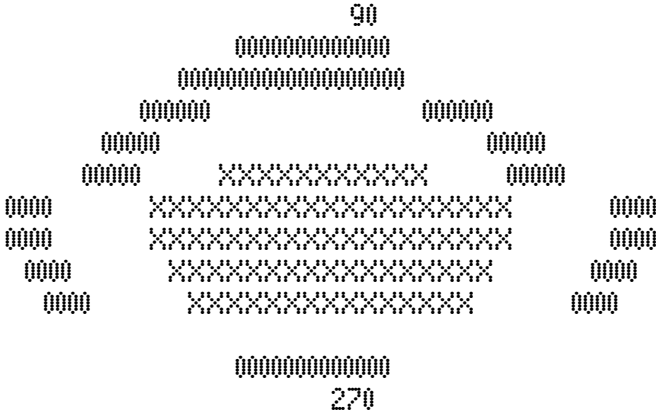
### Bounce Orbit  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
SOMEWHERE ABOVE YOUR PLANET IS A ROMULAN SHIP.

10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN  
CIRCLE YOUR PLANET ONCE EVERY 12 TO 36 HOURS.  
INSTRUMENT YOU CAN TELL HOW NEAR THEIR SHIP YOUR  
YOUR PLANET'S GRAVITY.

YOUR PLANET HAS ENOUGH POWER TO FIRE ONE BOMB AN HOUR.  
AN EXPLOSION WITHIN 5,000 MILES OF THE ROMULAN SHIP

COEFFICIENCY (LESS THAN 1).

'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY).  
TIME INCREMENT (SEC)VELOCITY (FPS)



ON THE ABOVE DIAGRAM, THE ROMULAN SHIP IS CIRCLING  
> >



```

0 PRINT "### Bounce Orbit"
4 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
10 PRINT TAB(33);"BOUNCE"
10 PRINT "SOMEWHERE ABOVE YOUR PLANET IS A ROMULAN SHIP."
15 PRINT
30 PRINT "10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN"
31 PRINT "CIRCLE YOUR PLANET ONCE EVERY 12 TO 36 HOURS."
50 PRINT "INSTRUMENT YOU CAN TELL HOW NEAR THEIR SHIP YOUR"
65 PRINT "YOUR PLANET'S GRAVITY."
70 PRINT
75 PRINT "YOUR PLANET HAS ENOUGH POWER TO FIRE ONE BOMB AN HOUR."
90 DIM T(20)
110 PRINT "OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF"
110 PRINT "AN EXPLOSION WITHIN 5,000 MILES OF THE ROMULAN SHIP"
114 PRINT
116 PRINT
130 PRINT "COEFFICIENCY (LESS THAN 1).";
131 PRINT
133 PRINT "'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY).";
135 INPUT "TIME INCREMENT (SEC)";S2
150 INPUT "VELOCITY (FPS)";V
160 PRINT
168 PRINT "
                                     90"
170 INPUT "COEFFICIENT";C
170 PRINT "
                                     0000000000000000"
171 PRINT "
                                     00000000000000000000"
172 PRINT "
                                0000000          0000000"
173 PRINT "
                        000000          000000          000000"
174 PRINT "
                000000          XXXXXXXXXXXXX          000000"
178 PRINT "
          0000          XXXXXXXXXXXXXXXXXXXXXXXXXXXX          0000"
180 PRINT "
          0000          XXXXXXXXXXXXXXXXXXXXXXXXXXXX          0000"
181 PRINT "
          0000          XXXXXXXXXXXXXXXXXXXXXXXXXXXX          0000"
182 PRINT "FEET"
182 PRINT "
          0000          XXXXXXXXXXXXXXXXXXXXXXXXXXXX          0000"
184 PRINT
186 S1=INT(70/(V/(16*S2)))
188 PRINT "
                                     0000000000000000"
190 PRINT "
                                     270"
198 PRINT "ON THE ABOVE DIAGRAM, THE ROMULAN SHIP IS CIRCLING"
200 T(I)=V*C^(I-1)/16
222 PRINT H;
225 L=0
230 PRINT "GOOD LUCK.  THE FEDERATION IS COUNTING ON YOU."
245 L=L+S2
260 PRINT TAB(L/S2);"0";
270 A=INT(360*AND(1))
275 T=T(I+1)/2
290 PRINT
310 PRINT TAB(1);
326 PRINT
330 PRINT ".";
335 PRINT "YOUR PHOTON BOMB";
350 PRINT
360 INPUT D1
370 A=A+R
380 PRINT TAB(INT(I/S2));I;
410 PRINT TAB(INT(L+1)/(2*S2)-2);"SECONDS"
420 PRINT
445 PRINT "ROMULAN SHIP."
470 PRINT "YOU HAVE SUCCESSFULLY COMPLETED YOUR MISSION."
490 PRINT "YOU HAVE ALLOWED THE ROMULANS TO ESCAPE."
520 INPUT C$
540 PRINT "GOOD BYE."

```

### Bounce Synonym

CREATIVE COMPUTING      SYNONYM  
MORRISTOWN, NEW JERSEY

LANGUAGE WHICH HAS THE SAME OR VERY NEARLY THE SAME MEANING.  
ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION  
I CHOOSE A WORD -- YOU TYPE A SYNONYM.  
'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY).

TIME INCREMENT (SEC)  
AND I WILL TELL YOU A SYNONYM.

> > >

```

0 PRINT "### Bounce Synonym"
2 PRINT TAB(33);"SYNONYM"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT: PRINT: PRINT
10 DIM R$(5),W$(10),L(30),R(30)
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 R$(1)="RIGHT": R$(2)="CORRECT": R$(3)="FINE": R$(4)="GOOD!"
30 R$(5)="CHECK"
90 DIM T(20)
100 PRINT "LANGUAGE WHICH HAS THE SAME OR VERY NEARLY THE SAME":
110 PRINT "OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF"
110 PRINT " MEANING."
120 PRINT "ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION"
130 PRINT "COEFFICIENCY (LESS THAN 1). "
130 PRINT "I CHOOSE A WORD -- YOU TYPE A SYNONYM."
133 PRINT "'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY). "
134 PRINT
135 INPUT "TIME INCREMENT (SEC)";S2
140 PRINT
145 PRINT "AND I WILL TELL YOU A SYNONYM.": PRINT
160 PRINT
176 R(N1)=1
180 PRINT
182 PRINT "FEET"
184 PRINT
186 S1=INT(70/(V/(16*S2)))
200 T(I)=V+C*(I-1)/16
225 L=0
235 L(0)=N2: G=1: PRINT
237 L(G)=L(L(0)): L(0)=N2-1: PRINT
240 PRINT "      WHAT IS A SYNONYM OF ";W$(G);: INPUT A$
245 L=L+S2
290 PRINT
330 PRINT " . ";
355 PRINT " 0 ";
360 PRINT "**** A SYNONYM OF ";W$(G);" IS ";W$(L(G1));".": PRINT
380 PRINT TAB(INT(I/S2));I;
400 PRINT
410 PRINT TAB(INT(L+1)/(2*S2)-2);"SECONDS"
420 PRINT
440 END
520 DATA 5,"SIMILAR","ALIKE","SAME","LIKE","RESEMBLING"
530 DATA 5,"MODEL","PATTERN","PROTOTYPE","STANDARD","CRITERION"
550 DATA 6,"STOP","HALT","STAY","ARREST","CHECK","STANDSTILL"
560 DATA 6,"HOUSE","DWELLING","RESIDENCE","DOMICILE","LODGING"
565 DATA "HABITATION"
570 DATA 7,"PIT","HOLE","HOLLOW","WELL","GULF","CHASM","ABYSS"
580 DATA 7,"PUSH","SHOVE","THRUST","PROD","POKE","BUTT","PRESS"
590 DATA 6,"RED","ROUGE","SCARLET","CRIMSON","FLAME","RUBY"
600 DATA 7,"PAIN","SUFFERING","HURT","MISERY","DISTRESS","ACHE"
999 END

```

### ### Boxing Bombardment

#### BOMBARDMENT

WHAT IS HIS VULNERABILITY? YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU

HAVE 25 OUTPOSTS AVAILABLE WHERE THEY MAY BE PLACED.

YOU CAN ONLY PLACE ONE PLATOON AT ANY ONE OUTPOST.

THE COMPUTER DOES THE SAME WITH ITS FOUR PLATOONS.

THE OBJECT OF THE GAME IS TO FIRE MISSILES AT THE

THE ONE WHO DESTROYS ALL FOUR OF THE ENEMY'S PLATOONS

GOOD LUCK... AND TELL US WHERE YOU WANT THE BODIES SENT!

> > > >

### Boxing Guess

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?

I'M THINKING OF A NUMBER BETWEEN 1 AND 2

NOW YOU TRY TO GUESS WHAT IT IS.

? TOO LOW. TRY A BIGGER ANSWER.

TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 2 TRIES.

YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2

VERY GOOD.

? WHAT IS HIS VULNERABILITY?

>

```

0 PRINT "### Boxing Guess"
1 PRINT TAB(33);"BOXING"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
3 PRINT:PRINT:PRINT
4 PRINT "BOXING OLYMPIC STYLE (3 ROUNDS -- 2 OUT OF 3 WINS)"
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
6 L=0
7 PRINT
8 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
20 INPUT J$
20 INPUT N
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 INPUT L$
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
64 INPUT B
70 PRINT "WHAT IS HIS VULNERABILITY";
71 PRINT
99 END
100 D1=INT(4*RND(1)+1)
160 X=0
180 PRINT "ROUND";R;"BEGINS..."
210 PRINT L$;"S PUNCH";
340 PRINT L$ " SWINGS AND ";
360 PRINT "HE MISSES ";
370 PRINT
580 X=X+4
605 Y=Y+2
650 Z4=INT(7*RND(1)+1)
700 Y=Y+5
740 R6=INT(60*RND(1)+1)
810 PRINT J$;" GETS ";L$;" IN THE JAW (OUCH!)"
830 PRINT "....AND AGAIN!"
850 PRINT
890 PRINT "AND ";J$;" CONNECTS..."
1010 PRINT L$ " IS KNOCKED COLD AND " J$" IS THE WINNER AND CHAMP!";
1090 PRINT "AND NOW GOODBYE FROM THE OLYMPIC ARENA."

```

### Boxing Trap

TRAP  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

INSTRUCTIONS? WHAT IS HIS VULNERABILITY? I AM THINKING OF A NUMBER  
BETWEEN 1 AND 100  
TRY TO GUESS MY NUMBER. ON EACH GUESS,  
YOU ARE TO ENTER 2 NUMBERS, TRYING TO TRAP  
MY NUMBER BETWEEN THE TWO NUMBERS. I WILL  
MY NUMBER IS SMALLER THAN YOUR TWO NUMBERS.  
YOU GET 6 GUESSES TO GET MY NUMBER.

GUESS #> > >

```

0 PRINT "### Boxing Trap"
1 PRINT TAB(33);"BOXING"
1 PRINT TAB(34);"TRAP"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
3 PRINT:PRINT:PRINT
6 L=0
8 PRINT
10 G=6
20 N=100
50 PRINT "INSTRUCTIONS";
60 INPUT Z$
70 PRINT "WHAT IS HIS VULNERABILITY";
80 PRINT "I AM THINKING OF A NUMBER BETWEEN 1 AND";N
90 PRINT "TRY TO GUESS MY NUMBER. ON EACH GUESS,"
100 PRINT "YOU ARE TO ENTER 2 NUMBERS, TRYING TO TRAP"
110 PRINT "MY NUMBER BETWEEN THE TWO NUMBERS. I WILL"
140 PRINT "MY NUMBER IS SMALLER THAN YOUR TWO NUMBERS."
170 PRINT "YOU GET";G;"GUESSES TO GET MY NUMBER."
180 X=INT(N*RND(1))+1
200 PRINT
210 PRINT L$;"S PUNCH";
210 PRINT "GUESS #";Q;
220 INPUT P
220 INPUT A,B
275 C=INT(8*RND(1))+1
280 PRINT "MY NUMBER IS LARGER THAN YOUR TRAP NUMBERS."
290 X=X+3
300 PRINT "MY NUMBER IS SMALLER THAN YOUR TRAP NUMBERS."
320 PRINT "YOU HAVE TRAPPED MY NUMBER."
340 PRINT L$ " SWINGS AND ";
340 PRINT "SORRY, THAT'S";G;"GUESSES. THE NUMBER WAS";X
345 PRINT
360 R=A
370 A=B
410 PRINT
420 PRINT "TRY AGAIN."
450 END
480 X=X+7
580 X=X+4
605 Y=Y+2
660 PRINT "IT'S BLOCKED!"
690 PRINT " BLOOD SPILLS !!!"
770 PRINT " POW!!!! HE HITS HIM RIGHT IN THE FACE!"
820 Y=Y+7
830 PRINT "....AND AGAIN!"
835 Y=Y+5
956 L=L+1
980 PRINT J$ " IS KNOCKED COLD AND " L$ " IS THE WINNER AND CHAMP!";
1010 PRINT L$ " IS KNOCKED COLD AND " J$ " IS THE WINNER AND CHAMP!";
1080 PRINT
1100 PRINT
1110 END

```



### Bug Even

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
DO YOU WANT INSTRUCTIONS (YES OR NO)  
THE GAME IS PLAYED AS FOLLOWS:

AT THE BEGINNING OF THE GAME, A RANDOM NUMBER OF CHIPS ARE  
PLACED ON THE BOARD. THE NUMBER OF CHIPS ALWAYS STARTS  
AS AN ODD NUMBER. ON EACH TURN, A PLAYER MUST TAKE ONE,  
BUG  
GAME. IT GRADUALLY LEARNS TO PLAY WELL. IT SHOULD BE  
TRY IT!!!!

TO QUIT AT ANY TIME, TYPE A 'Q' AS YOUR MOVE.

> > >

```

0 PRINT "### Bug Even"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
4 INPUT "DO YOU WANT INSTRUCTIONS (YES OR NO)";A$:PRINT
6 PRINT "THE GAME IS PLAYED AS FOLLOWS:";PRINT
7 PRINT "AT THE BEGINNING OF THE GAME, A RANDOM NUMBER OF CHIPS ARE"
8 PRINT "PLACED ON THE BOARD. THE NUMBER OF CHIPS ALWAYS STARTS"
9 PRINT "AS AN ODD NUMBER. ON EACH TURN, A PLAYER MUST TAKE ONE,"
10 PRINT TAB(34);"BUG"
13 PRINT "GAME. IT GRADUALLY LEARNS TO PLAY WELL. IT SHOULD BE"
15 PRINT "TRY IT!!!!": PRINT
16 PRINT "TO QUIT AT ANY TIME, TYPE A '0' AS YOUR MOVE.": PRINT
30 PRINT:PRINT:PRINT
40 R(1,I)=4
50 A=0: B=0: H=0: L=0: N=0: P=0: Q=0: R=0: S=0: T=0: U=0: V=0: Y=0
70 A=0: B=0
80 PRINT
90 P=INT((13*RND(1)+9)/2)*2+1
100 INPUT Z$
110 PRINT "THERE ARE";P;"CHIPS ON THE BOARD."
120 E1=E
130 L1=L
140 E=(A/2-INT(A/2))*2
190 PRINT "OPTION OF SEEING THE PICTURES OF THE BUGS."
210 PRINT "COMPUTER TAKES";M;"CHIPS LEAVING";P;"... YOUR MOVE";
240 M=INT(M)
260 PRINT "5","TAIL","1"
290 PRINT
290 P=P-M
300 A=A+M
330 PRINT "COMPUTER TAKES";P;"CHIPS."
340 R(E,L)=P
400 R(E,L)=R(E,L)-1
420 PRINT "GAME OVER ... I WIN!!!!": PRINT
460 PRINT M;"IS AN ILLEGAL MOVE ... YOUR MOVE";
490 R(E1,L1)=R(E1,L1)-1
510 PRINT "COMPUTER TAKES 1 CHIP LEAVING";P;"... YOUR MOVE";
590 C=0
680 PRINT "I NOW GIVE YOU A FEELER."
920 PRINT "YOU NOW HAVE";L;"LEGS."
971 PRINT
1130 C=0
1410 PRINT "5=TAIL"
1460 C=0
1700 Y=Y+2
2040 PRINT " L";
2120 PRINT
2270 PRINT "          N N"
2380 PRINT TAB(5);
2400 PRINT " L";
2550 END

```

```

0 PRINT "### Bunny Bombardment"
10 PRINT TAB(33);"BUNNY"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
30 PRINT:PRINT:PRINT
100 REM "BUNNY" FROM AHL'S 'BASIC COMPUTER GAMES'
100 PRINT "YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU"
110 REM
110 PRINT "HAVE 25 OUTPOSTS AVAILABLE WHERE THEY MAY BE PLACED."
120 PRINT "YOU CAN ONLY PLACE ONE PLATOON AT ANY ONE OUTPOST."
135 PRINT
140 L=64: REM ASCII LETTER CODE...
140 PRINT "THE OBJECT OF THE GAME IS TO FIRE MISSLES AT THE"
150 REM
160 PRINT
170 PRINT "FIRST IS THE WINNER."
190 PRINT "GOOD LUCK... AND TELL US WHERE YOU WANT THE BODIES SENT!"
200 PRINT CHR$(L+B(I));
210 PRINT "TEAR OFF MATRIX AND USE IT TO CHECK OFF THE NUMBERS."
230 REM
250 REM
280 REM
280 I=(R-1)*5+1
290 DATA 2,21,14,14,25
290 PRINT I,I+1,I+2,I+3,I+4
300 DATA 1,2,-1,0,2,45,50,-1,0,5,43,52,-1,0,7,41,52,-1
310 DATA 1,9,37,50,-1,2,11,36,50,-1,3,13,34,49,-1,4,14,32,48,-1
320 DATA 5,15,31,47,-1,6,16,30,45,-1,7,17,29,44,-1,8,19,28,43,-1
330 DATA 9,20,27,41,-1,10,21,26,40,-1,11,22,25,38,-1,12,22,24,36,-1
340 DATA 13,34,-1,14,33,-1,15,31,-1,17,29,-1,18,27,-1
350 DATA 19,26,-1,16,28,-1,13,30,-1,11,31,-1,10,32,-1
360 DATA 8,33,-1,7,34,-1,6,13,16,34,-1,5,12,16,35,-1
370 DATA 4,12,16,35,-1,3,12,15,35,-1,2,35,-1,1,35,-1
380 DATA 2,34,-1,3,34,-1,4,33,-1,6,33,-1,10,32,34,34,-1
390 DATA 14,17,19,25,28,31,35,35,-1,15,19,23,30,36,36,-1
390 D=INT(RND(1)*25)+1
400 DATA 14,18,21,21,24,30,37,37,-1,13,18,23,29,33,38,-1
410 DATA 12,29,31,33,-1,11,13,17,17,19,19,22,22,24,31,-1
420 DATA 10,11,17,18,22,22,24,24,29,29,-1
430 DATA 22,23,26,29,-1,27,29,-1,28,29,-1,4096
440 REM
450 END
490 INPUT G,H,K,L
495 PRINT
630 PRINT "HA, HA YOU MISSED. MY TURN NOW."
710 Q=Q+1
920 Z=Z+1
990 PRINT "YOU HAVE ONLY THREE OUTPOSTS LEFT."
1030 PRINT "YOU HAVE ONLY TWO OUTPOSTS LEFT."
1070 PRINT "YOU HAVE ONLY ONE OUTPOST LEFT."
1160 P=P+1
1170 N=P-1
1210 X=M

```

### Bunny Matches

CREATIVE COMPUTING BUNNY  
MORRISTOWN, NEW JERSEY

THIS IS A GAME CALLED '23 MATCHES'.

WHEN IT IS YOUR TURN, YOU MAY TAKE ONE, TWO, OR THREE  
MATCHES. THE OBJECT OF THE GAME IS NOT TO HAVE TO TAKE  
THE LAST MATCH.

TAILS! YOU GO FIRST.

> > > >

```

0 PRINT "### Bunny Matches"
10 PRINT TAB(33);"BUNNY"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT: PRINT: PRINT
80 PRINT " THIS IS A GAME CALLED '23 MATCHES'."
90 PRINT
100 REM "BUNNY" FROM AHL'S 'BASIC COMPUTER GAMES'
100 PRINT "WHEN IT IS YOUR TURN, YOU MAY TAKE ONE, TWO, OR THREE"
110 REM
110 PRINT "MATCHES. THE OBJECT OF THE GAME IS NOT TO HAVE TO TAKE"
120 PRINT "THE LAST MATCH."
130 PRINT
140 L=64: REM ASCII LETTER CODE...
150 REM
155 PRINT
160 PRINT
160 REM
170 Q = INT(2*RND(5))
190 PRINT "TAILS! YOU GO FIRST. "
195 PRINT
200 PRINT CHR$(L+B(I));
210 PRINT "HEADS! I WIN! HA! HA!"
230 REM
230 PRINT
250 REM
250 PRINT "I TAKE 2 MATCHES"
270 PRINT "THE NUMBER OF MATCHES IS NOW" N
280 REM
290 DATA 2,21,14,14,25
300 DATA 1,2,-1,0,2,45,50,-1,0,5,43,52,-1,0,7,41,52,-1
300 PRINT "HOW MANY DO YOU WISH TO REMOVE",
310 DATA 1,9,37,50,-1,2,11,36,50,-1,3,13,34,49,-1,4,14,32,48,-1
310 INPUT K
320 DATA 5,15,31,47,-1,6,16,30,45,-1,7,17,29,44,-1,8,19,28,43,-1
330 DATA 9,20,27,41,-1,10,21,26,40,-1,11,22,25,38,-1,12,22,24,36,-1
340 DATA 13,34,-1,14,33,-1,15,31,-1,17,29,-1,18,27,-1
340 N = N - K
350 DATA 19,26,-1,16,28,-1,13,30,-1,11,31,-1,10,32,-1
360 DATA 8,33,-1,7,34,-1,6,13,16,34,-1,5,12,16,35,-1
370 DATA 4,12,16,35,-1,3,12,15,35,-1,2,35,-1,1,35,-1
370 Z = 4 - K
380 DATA 2,34,-1,3,34,-1,4,33,-1,6,33,-1,10,32,34,34,-1
381 Z = 3
383 Z = 2
385 Z = 1
390 DATA 14,17,19,25,28,31,35,35,-1,15,19,23,30,36,36,-1
390 PRINT "MY TURN ! I REMOVE" Z "MATCHES"
400 DATA 14,18,21,21,24,30,37,37,-1,13,18,23,29,33,38,-1
410 DATA 12,29,31,33,-1,11,13,17,17,19,19,22,22,24,31,-1
420 DATA 10,11,17,18,22,22,24,24,29,29,-1
430 DATA 22,23,26,29,-1,27,29,-1,28,29,-1,4096
440 REM
450 END
450 PRINT "NOW, HOW MANY MATCHES DO YOU WANT",
500 PRINT
510 PRINT "GOOD BYE LOSER!"
530 PRINT "YOU WON, FLOPPY EARS !"
540 PRINT "THINK YOU'RE PRETTY SMART !"
570 END

```

### Change Amazing

CHANGE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

I, YOUR FRIENDLY MICROCOMPUTER, WILL DETERMINE

AMAZING PROGRAM

SORRY, YOU HAVE SHORT-CHANGED ME \$> > > >

```

0 PRINT "### Change Amazing"
2 PRINT TAB(33);"CHANGE"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
5 PRINT:PRINT:PRINT
6 PRINT "I, YOUR FRIENDLY MICROCOMPUTER, WILL DETERMINE"
9 PRINT:PRINT
10 PRINT "COST OF ITEM";:INPUT A:PRINT "AMOUNT OF PAYMENT";:INPUT P
10 PRINT TAB(28);"AMAZING PROGRAM"
30 PRINT:PRINT:PRINT:PRINT
95 PRINT "SORRY, YOU HAVE SHORT-CHANGED ME $";A-P
120 PRINT "YOUR CHANGE, $";C
130 D=INT(C/10)
130 PRINT
140 PRINT
150 PRINT D;"TEN DOLLAR BILL(S)"
150 PRINT
160 E=INT(C/5)
173 PRINT ". ";
210 PRINT F;"ONE DOLLAR BILL(S)"
215 C=C-(D*10+E*5+F)
225 N=C
230 G=INT(C/50)
255 C=C-(G*50)
260 H=INT(C/25)
280 PRINT H;"QUARTER(S)"
285 C=C-(G*50+H*25)
290 I=INT(C/10)
310 PRINT I;"DIME(S)"
320 J=INT(C/5)
340 PRINT J;"NICKEL(S)"
345 C=C-(G*50+H*25+I*10+J*5)
350 K=INT(C+.5)
370 X=INT(RND(1)*2+1)
380 PRINT "THANK YOU, COME AGAIN."
390 PRINT:PRINT
410 END
500 X=INT(RND(1)*2+1)
640 X=INT(RND(1)*2+1)
710 X=INT(RND(1)*2+1)
890 R=R+1
1011 PRINT "I";

```

### Change Cube

CHANGE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

CUBE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
CORRECT AMOUNT, THANK YOU.

> > > >



```

0 PRINT "### Change Cube"
2 PRINT TAB(33);"CHANGE"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
5 PRINT:PRINT:PRINT
9 PRINT:PRINT
10 PRINT TAB(34);"CUBE"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
25 PRINT "CORRECT AMOUNT, THANK YOU."
30 PRINT : PRINT : PRINT
130 D=INT(C/10)
150 PRINT D;"TEN DOLLAR BILL(S)"
150 PRINT"CUBE OF SIDE 3. ANY OF THE 27 LOCATIONS CAN BE DESIGNATED"
155 C=M-(D*10)
170 PRINT"YOU ARE AUTOMATICALLY AT LOCATION 1,1,1. THE OBJECT OF"
180 PRINT E;"FIVE DOLLARS BILL(S)"
180 PRINT"THE GAME IS TO GET TO LOCATION 3,3,3. ONE MINOR DETAIL:"
185 C=M-(D*10+E*5)
190 F=INT(C)
210 PRINT F;"ONE DOLLAR BILL(S)"
220 C=C*100
225 N=C
250 PRINT G;"ONE HALF DOLLAR(S)"
255 C=N-(G*50)
260 H=INT(C/25)
280 PRINT H;"QUARTER(S)"
290 I=INT(C/10)
310 PRINT I;"DIME(S)"
315 C=N-(G*50+H*25+I*10)
320 J=INT(C/5)
320 PRINT"WHEN STATING THE AMOUNT OF A WAGER, PRINT ONLY THE NUMBER"
340 PRINT J;"NICKEL(S)"
345 C=N-(G*50+H*25+I*10+J*5)
350 K=INT(C+.5)
370 PRINT K;"PENNY(S)"
380 PRINT "THANK YOU, COME AGAIN."
380 LET A=INT(3*(RND(X)))
390 PRINT:PRINT
400 LET A=3
410 END
470 LET D=INT(3*(RND(X)))
560 LET G=INT(3*(RND(X)))
620 LET I=INT(3*(RND(X)))
670 LET J=3
680 LET K=INT(3*(RND(X)))
700 LET K=2
840 INPUT Z
870 INPUT Z1
890 LET X=1
1070 LET Y=R
1430 PRINT
1450 PRINT
1530 PRINT"CONGRATULATIONS!"
1550 LET Z2=A1+Z1
1610 PRINT "TOUGH LUCK!"

```

### Change Pizza

CHANGE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
I, YOUR FRIENDLY MICROCOMPUTER, WILL DETERMINE

CORRECT AMOUNT, THANK YOU.  
PIZZA DELIVERY GAME

WHAT IS YOUR FIRST NAME  
SORRY, YOU HAVE SHORT-CHANGED ME \$> > >

```

0 PRINT "### Change Pizza"
2 PRINT TAB(33);"CHANGE"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT "I, YOUR FRIENDLY MICROCOMPUTER, WILL DETERMINE"
9 PRINT:PRINT
15 PRINT: PRINT: PRINT
25 PRINT "CORRECT AMOUNT, THANK YOU."
30 PRINT "PIZZA DELIVERY GAME": PRINT
50 INPUT "WHAT IS YOUR FIRST NAME";N$: PRINT
95 PRINT "SORRY, YOU HAVE SHORT-CHANGED ME $";A-P
120 PRINT "YOUR CHANGE, $";C
130 D=INT(C/10)
155 C=M-(D*10)
160 E=INT(C/5)
180 PRINT E;"FIVE DOLLARS BILL(S)"
185 C=M-(D*10+E*5)
200 DATA "A","B","C","D","E","F","G","H","I","J","K","L","M","N","O"
210 PRINT F;"ONE DOLLAR BILL(S)"
210 DATA "P","1","2","3","4"
215 C=M-(D*10+E*5+F)
220 C=C*100
225 N=C
230 G=INT(C/50)
230 PRINT "MAP OF THE CITY OF HYATTSVILLE": PRINT
250 PRINT G;"ONE HALF DOLLAR(S)"
255 C=N-(G*50)
260 H=INT(C/25)
260 K=4
280 PRINT H;"QUARTER(S)"
280 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
290 I=INT(C/10)
310 PRINT I;"DIME(S)"
315 C=N-(G*50+H*25+I*10)
320 J=INT(C/5)
320 PRINT M$(K);
330 S1=16-4*I+1
340 PRINT J;"NICKEL(S)"
340 PRINT " ";S$(S1);" ";S$(S1+1);" ";S$(S1+2);" ";
345 C=N-(G*50+H*25+I*10+J*5)
350 PRINT S$(S1+3);" ";M$(K)
380 PRINT "THANK YOU, COME AGAIN."
390 PRINT:PRINT
400 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
410 END
440 PRINT " -----1-----2-----3-----4-----": PRINT
460 PRINT "THE OUTPUT IS A MAP OF THE HOMES WHERE"
490 PRINT "YOUR JOB IS TO GIVE A TRUCK DRIVER"
500 PRINT "THE LOCATION OR COORDINATES OF THE"
520 INPUT "DO YOU NEED MORE DIRECTIONS";A$
640 PRINT "DRIVER TO ";N$;". WHERE DOES J LIVE?"
690 PRINT "GOOD. YOU ARE NOW READY TO START TAKING ORDERS.": PRINT
700 PRINT "GOOD LUCK!!": PRINT
760 S=INT(RND(1)*16+1): PRINT
780 PRINT " DRIVER TO ";N$;". WHERE DOES ";S$(S);" LIVE";
790 INPUT A(1),A(2)
890 PRINT "THIS IS ";S$(T);". I DID NOT ORDER A PIZZA."
900 PRINT "I LIVE AT ";A(1);",";A(2)
940 PRINT: INPUT "DO YOU WANT TO DELIVER MORE PIZZAS";A$
999 END

```

### Change Tic

CHANGE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

I, YOUR FRIENDLY MICROCOMPUTER, WILL DETERMINE

COST OF ITEM? AMOUNT OF PAYMENT?

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
CORRECT AMOUNT, THANK YOU.

SORRY, YOU HAVE SHORT-CHANGED ME \$-1

1 2 3

8 9 4

7 6 5

> >

```

0 PRINT "### Change Tic"
2 PRINT TAB(33);"CHANGE"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
5 PRINT:PRINT:PRINT
6 PRINT "I, YOUR FRIENDLY MICROCOMPUTER, WILL DETERMINE"
9 PRINT:PRINT
10 PRINT "COST OF ITEM";INPUT A:PRINT "AMOUNT OF PAYMENT";INPUT P
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
25 PRINT "CORRECT AMOUNT, THANK YOU."
30 PRINT:PRINT:PRINT
50 REM
95 PRINT "SORRY, YOU HAVE SHORT-CHANGED ME $";A-P
100 REM THIS PROGRAM PLAYS TIC TAC TOE
110 REM THE MACHINE GOES FIRST
130 PRINT "1 2 3":PRINT "8 9 4":PRINT "7 6 5"
140 PRINT
155 C=M-(D*10)
160 E=INT(C/5)
170 REM
180 PRINT E;"FIVE DOLLARS BILL(S)"
190 REM
200 REM MAIN PROGRAM
210 PRINT F;"ONE DOLLAR BILL(S)"
215 C=M-(D*10+E*5+F)
230 G=INT(C/50)
240 M=A
250 PRINT G;"ONE HALF DOLLAR(S)"
255 C=N-(G*50)
260 H=INT(C/25)
260 P=M
270 B=FNM(P+1)
280 PRINT H;"QUARTER(S)"
285 C=N-(G*50+H*25)
290 I=INT(C/10)
310 PRINT I;"DIME(S)"
315 C=N-(G*50+H*25+I*10)
320 J=INT(C/5)
340 PRINT J;"NICKEL(S)"
345 C=N-(G*50+H*25+I*10+J*5)
350 K=INT(C+.5)
370 PRINT K;"PENNY(S)"
370 M=C
380 PRINT "THANK YOU, COME AGAIN."
390 PRINT:PRINT
390 R=M
410 END
410 D=FNM(C+4)
420 M=D
460 D=FNM(C+7)
470 M=D
500 D=FNM(C+3)
560 M=E
580 REM
620 PRINT "THE GAME IS A DRAW."
640 REM
660 PRINT "YOUR MOVE";
700 PRINT "COMPUTER MOVES";M
720 REM
730 PRINT "AND WINS *****"

```

### ### Checkers Chief

I AM CHIEF NUMBERS FREEK, THE GREAT INDIAN MATH GOD.

THIS IS THE GAME OF CHECKERS. THE COMPUTER IS X,

AND YOU ARE O. THE COMPUTER WILL MOVE FIRST.

? (0,0) IS THE LOWER LEFT CORNER

(0,7) IS THE UPPER LEFT CORNER

SHUT UP, PALE FACE WITH WISE TONGUE.

TAKE A NUMBER AND ADD 3. DIVIDE THIS NUMBER BY 5 AND  
MULTIPLY BY 8. DIVIDE BY 5 AND ADD THE SAME. SUBTRACT 1.

WHAT DO YOU HAVE? I BET YOUR NUMBER WAS

? WHAT WAS YOUR ORIGINAL NUMBER?

?

? >

```

0 PRINT "### Checkers Chief"
4 PRINT TAB(15) "CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
10 PRINT "I AM CHIEF NUMBERS FREEK, THE GREAT INDIAN MATH GOD."
20 PRINT "THIS IS THE GAME OF CHECKERS. THE COMPUTER IS X,"
25 PRINT "AND YOU ARE O. THE COMPUTER WILL MOVE FIRST."
30 INPUT A$
35 PRINT "<0,0> IS THE LOWER LEFT CORNER"
40 PRINT "<0,7> IS THE UPPER LEFT CORNER"
50 PRINT "<7,7> IS THE UPPER RIGHT CORNER"
50 PRINT "SHUT UP, PALE FACE WITH WISE TONGUE."
60 PRINT "TAKE A NUMBER AND ADD 3. DIVIDE THIS NUMBER BY 5 AND"
70 PRINT "MULTIPLY BY 8. DIVIDE BY 5 AND ADD THE SAME. SUBTRACT 1."
80 DIM R(4),S(7,7):G=-1:R(0)=-99
80 PRINT "WHAT DO YOU HAVE";
90 INPUT B
100 LET C = (B+1-5)*5/8*5-3
110 PRINT "I BET YOUR NUMBER WAS" C". AM I RIGHT";
120 INPUT D$
140 PRINT "WHAT WAS YOUR ORIGINAL NUMBER";
150 INPUT K
155 LET F=K+3
160 LET G=F/5
190 LET J=I-1
210 PRINT "NOW WATCH."
230 PRINT K"PLUS 3 EQUALS"F". THIS DIVIDED BY 5 EQUALS"G";"
250 PRINT "WE GET"I", WHICH, MINUS 1, EQUALS"J"."
260 PRINT "NOW DO YOU BELIEVE ME";
270 INPUT Z$
295 PRINT "YOU HAVE MADE ME MAD!!!"
300 PRINT "THERE MUST BE A GREAT LIGHTNING BOLT!"
310 PRINT:PRINT
340 PRINT TAB(X) "X X"
360 PRINT TAB(21) "X XXX"
370 PRINT TAB(20) "X X"
380 PRINT TAB(19) "XX X"
430 PRINT TAB(11) "X"
440 PRINT TAB(10) "*"
450 PRINT:PRINT"*****":PRINT
510 PRINT "BYE!!!"
1230 PRINT CHR$(30)"FROM"R(1);R(2)"TO"R(3);R(4);:R(0)=-99
1330 S<(R(1)+R(3))/2,(R(2)+R(4))/2>=0
1570 Z=0: T=0
1880 PRINT: PRINT "YOU WIN.": END
1885 PRINT: PRINT "I WIN.": END

```

### Checkers Hello

HELLO  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
CHECKERS

HELLO. MY NAME IS CREATIVE COMPUTER.  
THIS IS THE GAME OF CHECKERS. THE COMPUTER IS X,  
AND YOU ARE O. THE COMPUTER WILL MOVE FIRST.  
SQUARES ARE REFERRED TO BY A COORDINATE SYSTEM.  
?  
(7,0) IS THE LOWER RIGHT CORNER  
THE COMPUTER WILL TYPE '+TO' WHEN YOU HAVE ANOTHER

BRIGHTEN UP YOUR VISIT A BIT.  
SAY, > > >



```

0 PRINT "### Checkers Hello"
2 PRINT TAB(33);"HELLO"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
5 PRINT TAB(32);"CHECKERS"
10 PRINT "HELLO. MY NAME IS CREATIVE COMPUTER."
20 PRINT "THIS IS THE GAME OF CHECKERS. THE COMPUTER IS X,"
25 PRINT "AND YOU ARE O. THE COMPUTER WILL MOVE FIRST."
30 PRINT "SQUARES ARE REFERRED TO BY A COORDINATE SYSTEM."
40 PRINT "(0,7) IS THE UPPER LEFT CORNER"
40 INPUT B$: PRINT
45 PRINT "(7,0) IS THE LOWER RIGHT CORNER"
55 PRINT "THE COMPUTER WILL TYPE '+TO' WHEN YOU HAVE ANOTHER"
65 PRINT:PRINT:PRINT
80 DIM R(4),S(7,7):G=-1:R(0)=-99
85 PRINT "BRIGHTEN UP YOUR VISIT A BIT."
90 DATA 1,0,1,0,0,0,-1,0,0,1,0,0,0,-1,0,-1,15
105 PRINT "SAY, ";N$; ", I CAN SOLVE ALL KINDS OF PROBLEMS EXCEPT"
110 PRINT "THOSE DEALING WITH GREECE. WHAT KIND OF PROBLEMS DO"
125 INPUT C$
150 PRINT "REALLY BEAT ON MY KEYBOARD. MY ADVICE TO YOU, ";N$; ", "
160 PRINT "SORRY, ";N$; ", I'M BROKE TOO. WHY DON'T YOU SELL"
185 PRINT "      1. TAKE TWO ASPRIN"
188 PRINT "      2. DRINK PLENTY OF FLUIDS (ORANGE JUICE, NOT BEER!)"
190 PRINT "      3. GO TO BED (ALONE)"
200 INPUT "IS YOUR PROBLEM TOO MUCH OR TOO LITTLE":D$: PRINT
230 PRINT "WHY ARE YOU HERE IN SUFFERN, ";N$; "? YOU SHOULD BE"
235 PRINT "IN TOKYO OR NEW YORK OR AMSTERDAM OR SOMEPLACE WITH SOME"
255 PRINT "ANY MORE PROBLEMS YOU WANT SOLVED, ";N$;
260 INPUT E$: PRINT
275 PRINT "JUST A SIMPLE 'YES' OR 'NO' PLEASE, ";N$; ":"
280 PRINT "WHAT KIND (SEX, MONEY, HEALTH, JOB)":
305 PRINT "PLEASE LEAVE THE MONEY ON THE TERMINAL."
310 PRINT:PRINT:PRINT
315 PRINT "DID YOU LEAVE THE MONEY":
335 PRINT "YOUR ANSWER OF ";G$; " CONFUSES ME, ";N$; ":"
355 PRINT "YOU ARE CHEATING ME OUT OF MY HARD-EARNED LIVING."
390 PRINT "NICE MEETING YOU, ";N$; ", HAVE A NICE DAY."
400 REM
1670 INPUT "TO":A,B:X=A:Y=B
1800 S<(E+A)/2,(H+B)/2>=0
1880 PRINT:PRINT "YOU WIN.": END

```

### Checkers Tic

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS THE GAME OF CHECKERS. THE COMPUTER IS X,  
SQUARES ARE REFERRED TO BY A COORDINATE SYSTEM.  
(0,0) IS THE LOWER LEFT CORNER  
(7,0) IS THE LOWER RIGHT CORNER

QUBIC

INCORRECT ANSWER. PLEASE TYPE 'YES' OR 'NO' CATED WITH A (<X>), THE  
MACHINE'S MOVES WITH AN (M), AND  
UNUSED SQUARES WITH A (< >). OUTPUT IS ON PAPER.

> > > >

```

0 PRINT "### Checkers Tic"
10 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
15 PRINT:PRINT:PRINT
20 PRINT "THIS IS THE GAME OF CHECKERS.  THE COMPUTER IS X,"
30 PRINT "SQUARES ARE REFERRED TO BY A COORDINATE SYSTEM."
35 PRINT "(0,0) IS THE LOWER LEFT CORNER"
45 PRINT "(7,0) IS THE LOWER RIGHT CORNER"
90 DATA 1,0,1,0,0,0,-1,0,0,1,0,0,0,-1,0,-1,15
100 PRINT TAB(33);"QUBIC":PRINT
250 PRINT "INCORRECT ANSWER. PLEASE TYPE 'YES' OR 'NO'";
309 PRINT "CATED WITH A (<X>), THE MACHINE'S MOVES WITH AN (<M>), AND"
310 PRINT "UNUSED SQUARES WITH A (< >).  OUTPUT IS ON PAPER."
560 LET K2=INT(J2/10)
570 LET K3= J1 - K1*100 -K2*10
620 LET X(M)=1
810 LET M=M(I,J)
830 LET X(M)=5
870 PRINT ", AND WINS AS FOLLOWS"
1030 I=1
1150 I=1
1250 S(R(3),R(4))=S(R(1),R(2))
1330 S((R(1)+R(3))/2,(R(2)+R(4))/2)=0
1540 PRINT "INCORRECT ANSWER. PLEASE TYPE 'YES' OR 'NO'";
1570 Z=0: T=0
1660 LET J2=M(S,2)
1690 LET L(S)=X(J1)+X(J2)+X(J3)+X(J4)
1750 LET M=I
1880 PRINT: PRINT "YOU WIN.": END
2040 DATA 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20
2110 DATA 4,20,36,52,8,24,40,56,12,28,44,60,16,32,48,64
2190 DATA 49,37,25,13,50,38,26,14,51,39,27,15,52,40,28,16
2400 LET A=2
2460 LET M=M(I,J)
2750 PRINT"INCORRECT MOVE, RETYPE IT--";
2770 END

```

### Chief Bombardment

## BOMBARDMENT

TAKE A NUMBER AND ADD 3. DIVIDE THIS NUMBER BY 5 AND  
WHAT DO YOU HAVE? YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU  
I BET YOUR NUMBER WAS  
? THE COMPUTER DOES THE SAME WITH ITS FOUR PLATOONS.  
WHAT WAS YOUR ORIGINAL NUMBER?  
GOOD LUCK... AND TELL US WHERE YOU WANT THE BODIES SENT!  
SO YOU THINK YOU'RE SO SMART, EH?  
4  
WE GET  
? YOU HAVE MADE ME MAD!!!

> >

```

0 PRINT "### Chief Bombardment"
4 PRINT TAB(15) "CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
6 PRINT:PRINT:PRINT
10 PRINT "I AM CHIEF NUMBERS FREEK, THE GREAT INDIAN MATH GOD."
10 PRINT TAB(33);"BOMBARDMENT"
30 PRINT:PRINT:PRINT
60 PRINT " TAKE A NUMBER AND ADD 3. DIVIDE THIS NUMBER BY 5 AND"
80 PRINT "  WHAT DO YOU HAVE";
90 INPUT B
100 LET C = (B+1-5)*5/8*5-3
100 PRINT "YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU"
110 PRINT "I BET YOUR NUMBER WAS" C". AM I RIGHT";
120 INPUT D$
130 PRINT "THE COMPUTER DOES THE SAME WITH ITS FOUR PLATOONS."
140 PRINT "WHAT WAS YOUR ORIGINAL NUMBER";
150 INPUT K
155 LET F=K+3
160 LET G=F/5
170 LET H=G*8
180 PRINT
190 LET J=I-1
190 PRINT "GOOD LUCK... AND TELL US WHERE YOU WANT THE BODIES SENT!"
200 PRINT "SO YOU THINK YOU'RE SO SMART, EH?"
230 PRINT K"PLUS 3 EQUALS"F". THIS DIVIDED BY 5 EQUALS"G";"
250 PRINT "WE GET"I", WHICH, MINUS 1, EQUALS"J"."
260 PRINT "NOW DO YOU BELIEVE ME";
260 DIM M(100)
270 INPUT Z$
295 PRINT "YOU HAVE MADE ME MAD!!!"
310 PRINT:PRINT
340 PRINT TAB(X) "X X"
380 PRINT TAB(19) "XX X"
390 D=INT(RND(1)*25)+1
400 PRINT TAB(Y) "X X"
400 E=INT(RND(1)*25)+1
410 F=INT(RND(1)*25)+1
420 PRINT TAB(12) "XX"
430 PRINT TAB(11) "X"
440 PRINT TAB(10) "*"
450 PRINT:PRINT"*****":PRINT
480 PRINT "WHAT ARE YOUR FOUR POSITIONS";
495 PRINT
510 PRINT "B/E!!!"
520 END
630 PRINT "HA, HA YOU MISSED. MY TURN NOW."
730 PRINT "YOU GOT ONE OF MY OUTPOSTS!"
810 PRINT "TWO DOWN, TWO TO GO."
900 PRINT "MY TRANSISTOR&S RECUP&RA+E!"
920 Z=Z+1
990 PRINT "YOU HAVE ONLY THREE OUTPOSTS LEFT."
1070 PRINT "YOU HAVE ONLY ONE OUTPOST LEFT."
1170 N=P-1
1235 END

```

### Chomp Bombs

CHOMP

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

AIRCRAFT -- LIBERATOR(1), B-29(2), B-17(3), LANCASTER(4) YOU'RE BUSTING A  
GERMAN HEAVY WATER PLANT IN THE RUHR.  
YOUR FIRST KAMIKAZE MISSION<Y OR N>HERE'S HOW A BOARD LOOKS (THIS ONE IS  
5 BY 7):

THE BOARD IS A BIG COOKIE - R ROWS HIGH AND C COLUMNS  
CORNER OF THE COOKIE IS A POISON SQUARE (P). THE ONE WHO  
NEARING VERSAILLES. DUCK SOUP. THEY'RE NEARLY DEFENSELESS.

HOW MANY MISSIONS HAVE YOU FLOWN ALL OF THE SQUARES BELOW AND TO THE  
RIGHT OF THAT SQUARE

(INCLUDING THAT SQUARE, TOO) DISAPPEAR -- CHOMP!!

NO FAIR CHOMPING SQUARES THAT HAVE ALREADY BEEN CHOMPED,  
DIRECT HIT!!!!

MISSSED TARGET BY

DOES THE ENEMY HAVE GUNS(1), MISSILES(2), OR BOTH(3)

DOES THE ENEMY HAVE GUNS(1), MISSILES(2), OR BOTH(3)

DOES THE ENEMY HAVE GUNS(1), MISSILES(2), OR BOTH(3)>

```

0 PRINT "### Chomp Bombs"
10 PRINT TAB(33);"CHOMP"
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
40 DIM A(10,10)
110 PRINT
110 INPUT "AIRCRAFT -- LIBERATOR(1), B-29(2), B-17(3), LANCASTER(4)";G
160 F=1
180 C=7
190 PRINT "YOU'RE BUSTING A GERMAN HEAVY WATER PLANT IN THE RUHR."
205 INPUT "YOUR FIRST KAMIKAZE MISSION(Y OR N)";F$
210 PRINT "HERE'S HOW A BOARD LOOKS (THIS ONE IS 5 BY 7):"
230 PRINT
240 PRINT "THE BOARD IS A BIG COOKIE - R ROWS HIGH AND C COLUMNS"
260 PRINT "CORNER OF THE COOKIE IS A POISON SQUARE (P). THE ONE WHO"
270 PRINT "NEARING VERSAILLES. DUCK SOUP. THEY'RE NEARLY DEFENSELESS."
280 PRINT "ROW AND COLUMN OF ONE OF THE SQUARES ON THE COOKIE."
280 PRINT
285 INPUT "HOW MANY MISSIONS HAVE YOU FLOWN";D
290 PRINT "ALL OF THE SQUARES BELOW AND TO THE RIGHT OF THAT SQUARE"
300 PRINT "(INCLUDING THAT SQUARE, TOO) DISAPPEAR -- CHOMP!!"
310 PRINT "NO FAIR CHOMPING SQUARES THAT HAVE ALREADY BEEN CHOMPED,"
325 PRINT "DIRECT HIT!!!! "INT(100*RND(1))"KILLED."
330 PRINT
330 PRINT "MISSED TARGET BY"INT(2+30*RND(1))"MILES!"
340 INPUT "DOES THE ENEMY HAVE GUNS(1), MISSILES(2), OR BOTH(3)";R
350 REM
358 PRINT
360 F=0
380 PRINT
380 PRINT "* * * * BOOM * * * *"
384 PRINT "YOU HAVE BEEN SHOT DOWN....."
386 PRINT "DEARLY BELOVED, WE ARE GATHERED HERE TODAY TO PAY OUR"
387 PRINT "LAST TRIBUTE..."
390 PRINT:PRINT:PRINT:INPUT "ANOTHER MISSION (Y OR N)";U$
400 PRINT "CHICKEN !!!" : PRINT : END
410 I1=0
470 PRINT "HOW MANY COLUMNS";
480 INPUT C
560 A(I,J)=1
700 PRINT "P ";
720 PRINT
780 LET I1=I1+1
820 PRINT "PLAYER";P1
920 PRINT "NO FAIR. YOU'RE TRYING TO CHOMP ON EMPTY SPACE!"
960 A(I,J)=0
1040 INPUT R$

```

### Chomp Calendar

CHOMP  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

ROW AND COLUMN OF ONE OF THE SQUARES ON THE COOKIE.  
(INCLUDING THAT SQUARE, TOO) DISAPPEAR -- CHOMP!!  
OR THAT ARE OUTSIDE THE ORIGINAL DIMENSIONS OF THE COOKIE.

DECEMBER365\*\*

S	M	T	W	T	F	S
---	---	---	---	---	---	---

TOO MANY ROWS (9 IS MAXIMUM). NOW, HOW MANY COLUMNS> > >



```

0 PRINT "### Chomp Calendar"
10 PRINT TAB(33);"CHOMP"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
100 REM *** THE GAME OF CHOMP *** COPYRIGHT PCC 1973 ***
110 PRINT
110 DIM M(12)
130 PRINT "DO YOU WANT THE RULES (1=YES, 0=NO)";
130 D=1: REM 1979 STARTS ON MONDAY (0=SUN, -1=MON, -2=TUES...)
140 INPUT R
140 S=0
170 R=5
170 REM
200 PRINT
280 PRINT "ROW AND COLUMN OF ONE OF THE SQUARES ON THE COOKIE."
300 PRINT "(INCLUDING THAT SQUARE, TOO) DISAPPEAR -- CHOMP!"
320 PRINT "OR THAT ARE OUTSIDE THE ORIGINAL DIMENSIONS OF THE COOKIE."
330 PRINT
340 PRINT " DECEMBER";
360 F=0
360 PRINT 365-S;"**";
370 REM 366-S; ON LEAP YEARS
380 PRINT CHR$(10): PRINT " S M T W";
390 PRINT "HOW MANY PLAYERS";
390 PRINT " T F S"
410 I1=0
440 PRINT CHR$(10)
450 PRINT "TOO MANY ROWS (9 IS MAXIMUM). NOW, ";
460 REM
470 PRINT "HOW MANY COLUMNS";
480 INPUT C
480 D=D+1
490 D2=D-S
520 PRINT TAB(4+8*G);
530 PRINT
540 REM
570 REM
610 PRINT
620 DATA 0,31,28,31,30,31,30,31,31,30,31,30,31
630 REM 0,31,29, ..., ON LEAP YEARS
680 PRINT "* ";
700 PRINT "P ";
810 P1=P
920 PRINT "NO FAIR. YOU'RE TRYING TO CHOMP ON EMPTY SPACE!"
960 A(I,J)=0
1000 REM END OF GAME DETECTED IN LINE 900
1010 PRINT "YOU LOSE, PLAYER";P1
1030 PRINT "AGAIN (1=YES, 0=NO)";

```

### Chomp LEM

CHOMP

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

? INPUT MEASUREMENT OPTION NUMBER

THE BOARD IS A BIG COOKIE - R ROWS HIGH AND C COLUMNS  
WIDE. YOU INPUT R AND C AT THE START. IN THE UPPER LEFT  
CHOMPS THE POISON SQUARE LOSES. TO TAKE A CHOMP, TYPE THE  
ROW AND COLUMN OF ONE OF THE SQUARES ON THE COOKIE.  
ALL OF THE SQUARES BELOW AND TO THE RIGHT OF THAT SQUARE  
+ OR -180 DEGREES IS DIRECTLY AWAY FROM THE MOON  
-90 DEGREES IS ON A TANGENT IN THE DIRECTION OF ORBIT

-90 < --+ > +90

<<<< DIRECTION OF ORBIT <<<<

----- SURFACE OF MOON -----

? 1 FUEL UNIT = 1 SEC. AT MAX THRUST

TOO MANY ROWS (9 IS MAXIMUM). NOW, AVAILABLE ENGINE POWER: 0 (ZERO) AND  
ANY VALUE BETWEEN

INPUT: TIME INTERVAL IN SECONDS ----- (T)

PERCENTAGE OF THRUST ----- (P)

TOO MANY COLUMNS (9 IS MAXIMUM). NOW,

OUTPUT: TOTAL TIME IN ELAPSED SECONDS

FUEL UNITS REMAINING

1 2 3 4 5 6 7 8 9

> >

```

0 PRINT "### Chomp LEM"
10 PRINT TAB(33);"CHOMP"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
35 R0=926
40 DIM A(10,10)
70 A1=8.84361E-04
140 INPUT R
195 PRINT "INPUT MEASUREMENT OPTION NUMBER";
200 PRINT
205 PRINT
230 PRINT
240 PRINT "THE BOARD IS A BIG COOKIE - R ROWS HIGH AND C COLUMNS"
250 PRINT "WIDE. YOU INPUT R AND C AT THE START. IN THE UPPER LEFT"
255 M$="METERS"
265 N$="KILOMETERS"
270 PRINT "CHOMPS THE POISON SQUARE LOSES. TO TAKE A CHOMP, TYPE THE"
280 PRINT "ROW AND COLUMN OF ONE OF THE SQUARES ON THE COOKIE."
290 PRINT "ALL OF THE SQUARES BELOW AND TO THE RIGHT OF THAT SQUARE"
295 N$="N.MILES"
350 REM
360 F=0
360 PRINT "+ OR -180 DEGREES IS DIRECTLY AWAY FROM THE MOON"
365 PRINT "-90 DEGREES IS ON A TANGENT IN THE DIRECTION OF ORBIT"
395 PRINT TAB(27);"-90 < -+- > +90"
410 PRINT TAB(21);"<<<< DIRECTION OF ORBIT <<<<"
420 PRINT "HOW MANY ROWS";
420 PRINT TAB(20);"----- SURFACE OF MOON -----"
430 INPUT R
445 PRINT "1 FUEL UNIT = 1 SEC. AT MAX THRUST"
450 PRINT "TOO MANY ROWS (9 IS MAXIMUM). NOW, ";
460 PRINT "AVAILABLE ENGINE POWER: 0 (ZERO) AND ANY VALUE BETWEEN"
480 PRINT
490 PRINT "INPUT: TIME INTERVAL IN SECONDS ----- (T)"
495 PRINT "          PERCENTAGE OF THRUST ----- (P)"
500 PRINT "TOO MANY COLUMNS (9 IS MAXIMUM). NOW, ";
505 PRINT
530 PRINT
535 PRINT "OUTPUT: TOTAL TIME IN ELAPSED SECONDS"
560 PRINT "          FUEL UNITS REMAINING"
590 A(1,1)=-1
620 PRINT TAB(7);"1 2 3 4 5 6 7 8 9"
730 R4=R3
740 PRINT
785 A1=A1+A2*T1
790 M=M-.5*M2
820 PRINT "PLAYER";P1
830 PRINT "COORDINATES OF CHOMP (ROW,COLUMN)";
960 A(I,J)=0
1000 REM END OF GAME DETECTED IN LINE 900
1005 PRINT "CONGRATULATIONS -- THERE WAS NO SPACECRAFT DAMAGE."
1040 PRINT "AT CONTACT YOU WERE TRAVELING";X1;N$;"/HR"
1145 STOP
1155 PRINT "OK, DO YOU WANT THE COMPLETE INSTRUCTIONS OR THE INPUT -"

```

### Civil Nim

POSSIBLE.

(4) FALLING BACK

TAKE AT LEAST ONE OBJECT, AND YOU MAY TAKE OBJECTS FROM

ARE THERE TWO GENERALS PRESENT ORIGINALLY IN EACH PILE. EACH PILE MAY  
CONTAIN A

NUMBER OF OBJECTS REMAINING IN THE PILES AFTER EACH OF ITS

? > > >

```

0 PRINT "### Civil Nim"
90 PRINT
160 PRINT : PRINT : PRINT : PRINT
210 DIM A(100),B(100,10),D(2)
245 PRINT "POSSIBLE."
300 PRINT "      (4) FALLING BACK"
350 PRINT "TAKE AT LEAST ONE OBJECT, AND YOU MAY TAKE OBJECTS FROM"
370 PRINT : PRINT : PRINT : PRINT "ARE THERE TWO GENERALS PRESENT ";
390 PRINT "ORIGINALLY IN EACH PILE. EACH PILE MAY CONTAIN A"
420 PRINT "NUMBER OF OBJECTS REMAINING IN THE PILES AFTER EACH OF ITS"
460 INPUT W
560 PRINT I;
620 PRINT "DO YOU WANT TO MOVE FIRST";
680 LET M1=M1(A)
680 PRINT "PLEASE ANSWER YES OR NO."
760 LET D(C)=I
840 LET C=0
950 LET E=A(I)
990 LET E=INT(F)
1000 REM - MONEY AVAILABLE
1040 LET H=0
1070 LET M6=INT(M2*(1+(P2-T2)/(M4+1)))
1070 LET C=C+1
1080 LET F1=5*M1/6
1140 PRINT C$ " INSTANT REPLAY"
1160 PRINT " ", "CONFEDERACY", " UNION"
1170 PRINT "MEN", " M5," "M6"
1170 LET A(E)=A(E)-F
1340 LET C=C+1
1410 PRINT " - AMMUNITION";
1490 PRINT "NEGATIVE VALUES NOT ALLOWED."
1530 LET A(X)=A(X)-Y
1650 INPUT Q9$
1700 PRINT "PLEASE. YES OR NO."
2020 PRINT "UNION STRATEGY ";
2200 LET C5=(2*C1/5)*(1+1/(2*(ABS(Y2-Y)+1)))
2300 PRINT
2540 PRINT "THE ACTUAL CASUALTIES AT ";C$
2550 PRINT
2640 REM - CUMULATIVE BATTLE FACTORS WHICH ALTER HISTORICAL
2880 PRINT "HAS WON "W" BATTLES AND LOST "L
3020 PRINT
3030 PRINT "      % OF ORIGINAL",INT(100*(T1/P1)+.5),INT(100*(T2/P2)+.5)
3340 LET S0=0
3470 DATA "SECOND BULL RUN",54000.,63000.,10000,14000,2
3480 DATA "ANTIETAM",40000.,50000.,10000,12000,3
3500 DATA "MURFREESBORO",38000.,45000.,11000,12000,1
3695 PRINT " LEE"
3800 PRINT "MAY 1-6, 1863. THE SOUTH HAD A COSTLY VICTORY AND LOST"
3920 PRINT "NOV. 25, 1863. AFTER THE SOUTH HAD SIEGED GEN. ROSENCRANS"

```

### ### Combat Bombardment

ARMY  
? NAVY  
HOW MANY MEN

YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU  
THE COMPUTER DOES THE SAME WITH ITS FOUR PLATOONS.  
OUTPOSTS OF THE COMPUTER. IT WILL DO THE SAME TO YOU.  
> > >

```

0 PRINT "### Combat Bombardment"
3 PRINT: PRINT: PRINT
7 PRINT "ARMY",30000,
8 INPUT A
9 PRINT "NAVY",20000,
15 E=20000
20 PRINT "HOW MANY MEN"
30 PRINT:PRINT:PRINT
100 PRINT "YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU"
130 PRINT "THE COMPUTER DOES THE SAME WITH ITS FOUR PLATOONS."
150 PRINT "OUTPOSTS OF THE COMPUTER. IT WILL DO THE SAME TO YOU."
155 A=INT(A-X/3)
160 D=0
160 PRINT "THE ONE WHO DESTROYS ALL FOUR OF THE ENEMY'S PLATOONS"
180 PRINT
200 PRINT
210 PRINT "TEAR OFF MATRIX AND USE IT TO CHECK OFF THE NUMBERS."
230 PRINT "YOUR ATTACK WAS STOPPED!"
270 PRINT "YOU SUNK ONE OF MY PATROL BOATS, BUT I WIPE OUT TWO"
280 A=INT(A/3)
280 I=(R-1)*5+1
290 PRINT I,I+1,I+2,I+3,I+4
355 C=INT(C-X)
370 PRINT "WE HAD A DOGFIGHT. YOU WON - AND FINISHED YOUR MISSION."
390 D=INT(2*D/3)
400 E=INT(RND(1)*25)+1
480 PRINT "WHAT ARE YOUR FOUR POSITIONS";
490 INPUT G,H,K,L
495 PRINT
500 PRINT "WHERE DO YOU WISH TO FIRE YOUR MISSILE";
501 PRINT,"YOU","ME"
510 PRINT "ARMY",A,D
530 PRINT "A. F.",C,F
570 M=INT(RND(1)*25)+1
710 Q=Q+1
850 PRINT "THREE DOWN, ONE TO GO."
890 PRINT "YOU GOT ME, I'M GOING FAST. BUT I'LL GET YOU WHEN"
920 Z=Z+1
1030 PRINT "YOU HAVE ONLY TWO OUTPOSTS LEFT."
1040 INPUT T
1070 PRINT "YOU HAVE ONLY ONE OUTPOST LEFT."
1110 PRINT "YOU'RE DEAD. YOUR LAST OUTPOST WAS AT";X;". HA, HA, HA."
1220 M(P)=M
1616 D=0
1760 B=B/2
1770 PRINT "YOUR NAVY SHOT DOWN THREE OF MY XIII PLANES,"
1850 PRINT "ONE OF YOUR PLANES CRASHED INTO MY HOUSE. I AM DEAD."
2006 PRINT "THE TREATY OF PARIS CONCLUDED THAT WE TAKE OUR"
2020 END

```

### Craps Chief

CRAPS

I AM CHIEF NUMBERS FREEK, THE GREAT INDIAN MATH GOD.

2,3,12 ARE LOSERS; 4,5,6,8,9,10 ARE POINTS; 7,11 ARE NATURAL WINNERS.  
? INPUT THE AMOUNT OF YOUR WAGER.SHUT UP, PALE FACE WITH WISE TONGUE.  
MULTIPLY BY 8. DIVIDE BY 5 AND ADD THE SAME. SUBTRACT 1.  
WHAT DO YOU HAVE> > >



```

0 PRINT "### Craps Chief"
2 PRINT TAB(30) "CHIEF"
4 PRINT TAB(15) "CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
5 PRINT TAB(33);"CRAPS"
6 PRINT:PRINT:PRINT
10 PRINT "I AM CHIEF NUMBERS FREEK, THE GREAT INDIAN MATH GOD."
12 PRINT:PRINT:PRINT
20 PRINT"2,3,12 ARE LOSERS; 4,5,6,8,9,10 ARE POINTS; 7,11 ARE NATURAL
WINNERS."
21 LET T=1
23 INPUT Z
25 LET T =T+1
27 PRINT"INPUT THE AMOUNT OF YOUR WAGER.";
40 LET E=INT(7*RND(1))
41 LET S=INT(7*RND(1))
42 LET X=E+S
50 PRINT "SHUT UP, PALE FACE WITH WISE TONGUE."
70 PRINT "MULTIPLY BY 8. DIVIDE BY 5 AND ADD THE SAME. SUBTRACT 1."
80 PRINT " WHAT DO YOU HAVE";
100 LET C = (B+1-5)*5/8*5-3
110 PRINT "I BET YOUR NUMBER WAS" C". AM I RIGHT";
120 INPUT D$
140 PRINT "WHAT WAS YOUR ORIGINAL NUMBER";
150 INPUT K
155 LET F=K+3
160 LET G=F/5
170 LET H=G*8
185 PRINT X"PAYS EVEN MONEY, YOU WIN"F"DOLLARS"
190 LET J=I-1
195 PRINT X"- SNAKE EYES....YOU LOSE."
196 PRINT "YOU LOSE"F "DOLLARS."
197 LET F=0-F
200 PRINT "SO YOU THINK YOU'RE SO SMART, EH?"
220 PRINT X "IS THE POINT. I WILL ROLL AGAIN"
230 PRINT K"PLUS 3 EQUALS"F". THIS DIVIDED BY 5 EQUALS"G";"
232 LET O=H+Q
250 PRINT "WE GET"I", WHICH, MINUS 1, EQUALS"J"."
260 PRINT "NOW DO YOU BELIEVE ME";
270 INPUT Z$
292 F=0-F
295 PRINT "YOU HAVE MADE ME MAD!!!"
300 PRINT "THERE MUST BE A GREAT LIGHTNING BOLT!"
310 PRINT X"- A WINNER.....CONGRATS!!!!!!!"
311 PRINT X "AT 2 TO 1 ODDS PAYS YOU...LET ME SEE..."2*F"DOLLARS"
312 LET F=2*F
338 PRINT "YOU ARE NOW EVEN AT 0"
340 PRINT TAB(X) "X X"
350 PRINT"TOO BAD, YOU ARE IN THE HOLE. COME AGAIN."
370 PRINT TAB(20) "X X"
380 PRINT TAB(19) "XX X"
400 PRINT TAB(X) "X X"
430 PRINT TAB(11) "X"
440 PRINT TAB(10) "*"
450 PRINT:PRINT"*****":PRINT
510 PRINT "BYE!!!"
520 END

```

### Cube Digits

DIGITS

DO YOU WANT TO SEE THE INSTRUCTIONS? (YES--1,NO--0)

YOU LOSE. ONE OTHER DETAIL: YOU MAY MOVE ONLY ONE SPACE  
MAY MOVE TO 2,1,2 OR 1,1,3. YOU MAY NOT CHANGE

PLEASE TAKE A PIECE OF PAPER AND WRITE DOWN  
THE DIGITS '0', '1', OR '2' THIRTY TIMES AT RANDOM.  
ARRANGE THEM IN THREE LINES OF TEN DIGITS EACH.

I OUGHT TO BE RIGHT TEN TIMES. BUT I HOPE TO DO BETTER  
OF DOLLARS (EXAMPLE: 250) YOU ARE AUTOMATICALLY STARTED WITH

GOOD LUCK!

TEN NUMBERS, PLEASE> > > >

```

0 PRINT "### Cube Digits"
10 PRINT TAB(34);"CUBE"
10 PRINT TAB(33);"DIGITS"
100 PRINT "DO YOU WANT TO SEE THE INSTRUCTIONS? (YES--1,NO--0)"
210 PRINT"YOU LOSE. ONE OTHER DETAIL: YOU MAY MOVE ONLY ONE SPACE "
230 PRINT"MA¥ MOVE TO 2,1,2 OR 1,1,3. YOU MAY NOT CHANGE"
250 PRINT
260 PRINT "PLEASE TAKE A PIECE OF PAPER AND WRITE DOWN"
270 PRINT "THE DIGITS '0', '1', OR '2' THIRTY TIMES AT RANDOM."
280 PRINT "ARRANGE THEM IN THREE LINES OF TEN DIGITS EACH."
310 PRINT
320 PRINT "I OUGHT TO BE RIGHT TEN TIMES. BUT I HOPE TO DO BETTER"
330 PRINT"OF DOLLARS (EXAMPLE: 250) YOU ARE AUTOMATICALLY STARTED WITH"
340 PRINT:PRINT
360 PRINT "GOOD LUCK!"
460 LET C=3
480 Z=26: Z1=8: Z2=2
530 LET F=INT(3*(RND(X)))
530 PRINT
540 PRINT "TEN NUMBERS, PLEASE";
550 LET F=3
560 LET G=INT(3*(RND(X)))
570 W=N(I)-1
670 N=N(U): S=0
700 LET K=2
770 PRINT "   :G,"   ":N(U),
790 LET N=1
790 PRINT " WRONG",X
820 LET O=3
840 L(Z1,N)=L(Z1,N)+1
860 Z=Z-INT(Z/9)*9
870 INPUT Z1
890 Z2=N(U)
950 PRINT "I GUESSED EXACTLY 1/3 OF YOUR NUMBERS."
1010 PRINT "I GUESSED LESS THAN 1/3 OF YOUR NUMBERS."
1090 END
1410 PRINT "YOU LOSE!"
1560 PRINT "YOU NOW HAVE"; Z2;"DOLLARS."
1570 LET A1=Z2
1590 INPUT S
1610 PRINT "TOUGH LUCK!"

```

### Cube Trek

★  
★

★  
★

★

★

DO YOU WANT TO SEE THE INSTRUCTIONS? (YES--1,NO--0)

1. WHEN YOU SEE \COMMAND ?\ PRINTED, ENTER ONE OF THE LEGAL  
COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX).

THIS IS A GAME IN WHICH YOU WILL BE PLAYING AGAINST THE  
CUBE OF SIDE 3. ANY OF THE 27 LOCATIONS CAN BE DESIGNATED

TYPE IN ILLEGAL DATA (LIKE NEGATIVE NUMBERS), THAN COMMAND

THE GALAXY IS DIVIDED INTO AN 8 X 8 QUADRANT GRID,

AND EACH QUADRANT IS FURTHER DIVIDED INTO AN 8 X 8 SECTOR GRID.

YOU WILL BE ASSIGNED A STARTING POINT SOMEWHERE IN THE  
OF DOLLARS (EXAMPLE: 250) YOU ARE AUTOMATICALLY STARTED WITH  
GOOD LUCK!

COURSE IS IN A CIRCULAR NUMERICAL 4 3 2

★ ★ ★  
COURSE

ONE WARP FACTOR IS THE SIZE OF

\SRS\ COMMAND = SHORT RANGE SENSOR SCAN

+K+ = KLINGON BATTLE CRUISER

>K = FEDERATION STARBASE (REFUEL/REPAIR/RE-ARM HERE!)

★ = STAR

IS THE NUMBER OF STARS, THE TENS DIGIT IS THE NUMBER OF

ALLOWS YOU TO DESTROY THE KLINGON BATTLE CRUISERS BY

ZAPPING THEM WITH SUITABLY LARGE UNITS OF ENERGY TO

THE PHASER FIRE OF ALL OTHER KLINGONS IN THE QUADRANT.

WANT TO MAKE A WAGER?

\DAM\ COMMAND = DAMAGE CONTROL REPORT

OPTION 0 = CUMULATIVE GALACTIC RECORD

THIS OPTION SHOWS COMPUTER MEMORY OF THE RESULTS OF ALL  
AND STARBASES REMAINING IN THE GAME.

> > > >

```

0 PRINT "### Cube Trek"
22 PRINT TAB(10);"*"
23 PRINT TAB(10);"*"
30 PRINT : PRINT : PRINT
32 PRINT TAB(10);"*"
44 PRINT
100 PRINT "DO YOU WANT TO SEE THE INSTRUCTIONS? (YES--1,NO--0)"
110 INPUT B7
110 PRINT"1. WHEN YOU SEE \COMMAND ?\ PRINTED, ENTER ONE OF THE LEGAL"
120 PRINT"      COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX)."
130 PRINT"THIS IS A GAME IN WHICH YOU WILL BE PLAYING AGAINST THE"
150 PRINT"CUBE OF SIDE 3. ANY OF THE 27 LOCATIONS CAN BE DESIGNATED"
170 PRINT"YOU ARE AUTOMATICALLY AT LOCATION 1,1,1. THE OBJECT OF"
170 PRINT"      TYPE IN ILLEGAL DATA (LIKE NEGATIVE NUMBERS), THAN
COMMAND"
270 PRINT"      THE GALAXY IS DIVIDED INTO AN 8 X 8 QUADRANT GRID,"
280 PRINT"AND EACH QUADRANT IS FURTHER DIVIDED INTO AN 8 X 8 SECTOR
GRID."
300 PRINT"      YOU WILL BE ASSIGNED A STARTING POINT SOMEWHERE IN THE"
330 PRINT"OF DOLLARS (EXAMPLE: 250) YOU ARE AUTOMATICALLY STARTED WITH"
360 PRINT "GOOD LUCK!"
385 PRINT
400 LET A=3
400 PRINT"      COURSE IS IN A CIRCULAR NUMERICAL      4 3 2"
430 LET B=2
450 PRINT"
480 PRINT"
490 LET D=1
490 PRINT"      ONE WARP FACTOR IS THE SIZE OF "
530 PRINT
540 PRINT"\SRS\ COMMAND = SHORT RANGE SENSOR SCAN"
550 LET F=3
555 PRINT
580 PRINT"      +K+ = KLINGON BATTLE CRUISER"
590 PRINT"      >K = FEDERATION STARBASE (REFUEL/REPAIR/RE-ARM HERE!)"
600 PRINT"      * = STAR"
620 PRINT
680 LET K=INT(3*(RND(X)))
680 PRINT"      IS THE NUMBER OF STARS, THE TENS DIGIT IS THE NUMBER
OF"
705 PRINT
730 LET L=3
730 PRINT"      ALLOWS YOU TO DESTROY THE KLINGON BATTLE CRUISERS BY "
740 PRINT"      ZAPPING THEM WITH SUITABLY LARGE UNITS OF ENERGY TO"
825 PRINT"      THE PHASER FIRE OF ALL OTHER KLINGONS IN THE QUADRANT."
830 PRINT "WANT TO MAKE A WAGER?"
850 PRINT
880 LET W=1
890 LET X=1
900 LET Y=1
910 PRINT"\DAM\ COMMAND = DAMAGE CONTROL REPORT"
950 PRINT
980 PRINT"      OPTION 0 = CUMULATIVE GALACTIC RECORD"
990 PRINT"      THIS OPTION SHOWS COMPUTER MEMORY OF THE RESULTS
OF ALL"
1030 PRINT"      AND STARBASES REMAINING IN THE GAME."
1060 LET X=0
1150 PRINT"      GALACTIC REGIONS REFERRED TO IN THE GAME."
1400 PRINT"*****BANG*****"
1430 PRINT
1522 PRINT"TRIED TO FOOL ME; BET AGAIN";
1530 PRINT"CONGRATULATIONS!"
1560 PRINT "YOU NOW HAVE"; 22;"DOLLARS."
1630 PRINT "GOODBYE."

```

### Dice Gomoko

GOMOKO

WELCOME TO THE ORIENTAL GAME OF GOMOKO.

THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE

INTERSECTION WITH A MARKER. THE OBJECT OF THE GAME IS TO GET  
WHEN TWO DICE AND AN EQUAL SIGN FOLLOWED BY A QUESTION  
DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED  
WITH A '1' AND THE COMPUTER MOVES WITH A '2'.

THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON.

> > > >

```

0 PRINT "### Dice Gomoko"
2 PRINT TAB(33);"GOMOKO"
6 PRINT:PRINT:PRINT
10 PRINT TAB(31);"MATH DICE"
10 PRINT "WELCOME TO THE ORIENTAL GAME OF GOMOKO."
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 PRINT: PRINT "THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE"
30 PRINT:PRINT:PRINT
40 PRINT "INTERSECTION WITH A MARKER. THE OBJECT OF THE GAME IS TO GET"
50 PRINT "WHEN TWO DICE AND AN EQUAL SIGN FOLLOWED BY A QUESTION"
60 PRINT "DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED"
70 PRINT "TO CONCLUDE THE LESSON, TYPE CONTROL-C AS YOUR ANSWER."
70 PRINT "WITH A '1' AND THE COMPUTER MOVES WITH A '2'."
80 PRINT
80 PRINT: PRINT "THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON."
100 N=N+1
110 PRINT "WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)"; INPUT N
120 PRINT " ---- "
160 PRINT "I * * I"
180 PRINT "I * I"
240 PRINT "I * I"
260 PRINT "I I"
300 PRINT: PRINT "WE ALTERNATE MOVES. YOU GO FIRST...": PRINT
310 PRINT "I * * I"
310 PRINT "YOUR PLAY (I,J)"; INPUT I,J
315 PRINT
330 PRINT "I * I"
350 PRINT "I I"
360 PRINT " ---- "
370 PRINT
380 PRINT " +"
400 A=D
500 REM *** COMPUTER TRIES AN INTELLIGENT MOVE ***
510 PRINT " =";
540 PRINT "NO, COUNT THE SPOTS AND GIVE ANOTHER ANSWER."
550 INPUT T2
570 PRINT "NO, THE ANSWER IS";T
590 PRINT "RIGHT!"
600 REM *** COMPUTER TRIES A RANDOM MOVE ***
601 PRINT "THE DICE ROLL AGAIN..."
610 PRINT
615 N=0
999 END

```

### Dice Splat

SPLAT  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

TO CONCLUDE THE LESSON, TYPE CONTROL-C AS YOUR ANSWER.  
JUMP. TRY TO OPEN YOUR CHUTE AT THE LAST POSSIBLE  
MOMENT WITHOUT GOING SPLAT.

-----  
I \* \* I  
I I I

I \* I  
I \* \* I  
I \* I  
I I I

-----  
+

> > > >



```

0 PRINT "### Dice Splat"
10 PRINT TAB(33);"SPLAT"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
40 PRINT "THIS PROGRAM GENERATES SUCCESSIVE PICTURES OF TWO DICE."
40 PRINT:PRINT:PRINT
70 PRINT "TO CONCLUDE THE LESSON, TYPE CONTROL-C AS YOUR ANSWER."
96 PRINT "JUMP. TRY TO OPEN YOUR CHUTE AT THE LAST POSSIBLE"
97 PRINT "MOMENT WITHOUT GOING SPLAT."
120 PRINT " ----- "
160 PRINT "I * * I"
200 PRINT "I      I"
217 PRINT
240 PRINT "I * I"
310 PRINT "I * * I"
330 PRINT "I * I"
350 PRINT "I      I"
360 PRINT " ----- "
380 PRINT "      +"
381 PRINT
400 A=D
410 D=D1-((V^2/(2*A))+(V*(I-(V/A))))
500 T=D+A
500 PRINT "CHUTE OPEN"
510 PRINT "      =";
510 K=0:K1=0
520 INPUT T1
541 PRINT "      =";
550 INPUT T2
590 PRINT "RIGHT!"
600 PRINT
601 PRINT "THE DICE ROLL AGAIN..."
610 PRINT
615 N=0
620 A(J)=D
700 PRINT "WOW! THAT'S SOME JUMPING. OF THE"K"SUCCESSFUL JUMPS"
730 PRINT "CONSERVATIVE, AREN'T YOU? YOU RANKED ONLY"K-K1"IN THE"
999 END
1000 PRINT SQR(2*D1/A);"SPLAT"

```

### Digits Mugwump

MUGWUMP

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH  
IS DISTANCE TO RIGHT OF HOMEBASE AND SECOND NUMBER  
IS DISTANCE ABOVE HOMEBASE.

YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL  
YOU HOW FAR YOU ARE FROM EACH MUGWUMP.

ARRANGE THEM IN THREE LINES OF TEN DIGITS EACH.  
TURN NO.0-- WHAT IS YOUR GUESS

YOU HAVE FOUND MUGWUMP> > > >

```

0 PRINT "### Digits Mugwump"
1 PRINT TAB(33);"MUGWUMP"
3 PRINT:PRINT:PRINT
4 REM      COURTESY PEOPLE'S COMPUTER COMPANY
10 PRINT TAB(33);"DIGITS"
10 DIM P(4,2)
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
40 PRINT "ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH"
60 PRINT "IS DISTANCE TO RIGHT OF HOMEBASE AND SECOND NUMBER"
70 PRINT "IS DISTANCE ABOVE HOMEBASE."
80 PRINT
90 PRINT "YOU GET 10 TRIES.  AFTER EACH TRY, I WILL TELL"
100 PRINT "YOU HOW FAR YOU ARE FROM EACH MUGWUMP."
250 PRINT
250 T=0
270 PRINT "THE DIGITS '0', '1', OR '2' THIRTY TIMES AT RANDOM."
270 PRINT
275 PRINT
280 PRINT "ARRANGE THEM IN THREE LINES OF TEN DIGITS EACH."
290 PRINT "TURN NO.":T;"-- WHAT IS YOUR GUESS";
340 PRINT:PRINT
360 PRINT "YOU HAVE FOUND MUGWUMP";I
370 DATA 0,1,3
380 DIM M(26,2),K(2,2),L(8,2)
380 D=SQR((P(I,1)-M)^2+(P(I,2)-N)^2)
390 PRINT "YOU ARE";(INT(D*10))/10;"UNITS FROM MUGWUMP";I
450 L(0,0)=2: L(4,1)=2: L(8,2)=2
450 PRINT "YOU GOT THEM ALL IN";T;"TURNS!"
510 X=0
530 PRINT
560 PRINT "MUGWUMP";I;"IS AT (";P(I,1);",";P(I,2);")"
570 W=N(I)-1
590 PRINT "ONLY USE THE DIGITS '0', '1', OR '2'."
600 PRINT "THAT WAS FUN! LET'S PLAY AGAIN....."
610 PRINT "FOUR MORE MUGWUMPS ARE NOW IN HIDING."
630 PRINT: PRINT "MY GUESS","YOUR NO.,""RESULT","NO. RIGHT":PRINT
670 N=N(U): S=0
790 PRINT " WRONG",X
810 X=X+1
820 PRINT " RIGHT",X
830 M(Z,N)=M(Z,N)+1
850 K(Z2,N)=K(Z2,N)+1
860 Z=Z-INT(Z/9)*9
920 PRINT
960 PRINT "IT'S A TIE GAME."
1020 P(I,J)=INT(10*RND(1))
1030 PRINT
1060 INPUT X
1099 END

```

### Digits Super

DIGITS

THIS IS A GAME OF GUESSING.

? PLEASE TAKE A PIECE OF PAPER AND WRITE DOWN  
ARRANGE THEM IN THREE LINES OF TEN DIGITS EACH.  
ONLY USE THE DIGITS '0', '1', OR '2'.  
> > >

```

0 PRINT "### Digits Super"
10 PRINT TAB(33);"DIGITS"
50 REM **** SIMULATION OF A MISSION OF THE STARSHIP ENTERPRISE,
210 PRINT "THIS IS A GAME OF GUESSING."
220 PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT
221 PRINT"                                     ,-----*-----,"
230 INPUT E
260 PRINT "PLEASE TAKE A PIECE OF PAPER AND WRITE DOWN"
280 PRINT "ARRANGE THEM IN THREE LINES OF TEN DIGITS EACH."
370 T=INT(RND(1)*20+20)*100:T0=T:T9=25+INT(RND(1)*10):D0=0:E=3000:E0=E
380 DIM M(26,2),K(2,2),L(8,2)
450 L(0,0)=2: L(4,1)=2: L(8,2)=2
480 Z=26: Z1=8: Z2=2
510 X=0
590 PRINT "ONLY USE THE DIGITS '0', '1', OR '2'."
670 N=N(U): S=0
740 S=S1: G=J
790 PRINT "WRONG",X
815 REM K3= # KLINGONS B3= # STARBASES S3 = # STARS
850 K(Z2,N)=K(Z2,N)+1
860 Z=Z-INT(Z/9)*9
870 Z=3*Z+N(U)
880 Z1=Z-INT(Z/9)*9
890 Z2=N(U)
960 PRINT "IT'S A TIE GAME."
1010 PRINT "I GUESSED LESS THAN 1/3 OF YOUR NUMBERS."
1030 PRINT
1060 INPUT X
2020 PRINT:PRINT"** FATAL ERROR ** YOU'VE JUST STRANDED YOUR SHIP IN
"
2420 PRINT" CHIEF ENGINEER SCOTT REPORTS 'THE ENGINES WON'T TAKE';
6360 END
6380 PRINT"MENACING THE FEDERATION HAS BEEN DESTROYED.":PRINT
6580 D0=1:C$="DOCKED":E=E0:P=P0
7280 REM LIBRARY/ COMPUTER CODE
7378 PRINT" 4 = DIRECTION/DISTANCE CALCULATOR"
9200 G2$="SPICA"

```

### Even Animal

PLAY 'GUESS THE ANIMAL'

THINK OF AN ANIMAL AND THE COMPUTER WILL TRY TO GUESS IT.

ARE YOU THINKING OF AN ANIMAL(2) YOU MUST TAKE BETWEEN 1 AND 4 MARBLES  
EACH TURN,

IS IT A > > >

```

0 PRINT "### Even Animal"
3 PRINT:PRINT
10 M1=0
30 PRINT "      THIS IS A TWO PERSON GAME CALLED 'EVEN WINS.'"
30 PRINT: PRINT: PRINT
40 PRINT "PLAY 'GUESS THE ANIMAL'"
45 PRINT
50 PRINT "THINK OF AN ANIMAL AND THE COMPUTER WILL TRY TO GUESS IT."
60 PRINT
70 PRINT
120 PRINT
130 INPUT "ARE YOU THINKING OF AN ANIMAL";A$
150 PRINT "(2) YOU MUST TAKE BETWEEN 1 AND 4 MARBLES EACH TURN,"
160 PRINT "AND (3) YOU CANNOT SKIP A TURN."
160 K=1
170 PRINT
180 PRINT
200 PRINT "IS IT A ";RIGHT$(A$(K),LEN(A$(K))-2);
220 A$=LEFT$(A$,1)
270 PRINT:PRINT "TOTAL=";T:PRINT
280 M1=M1+M
320 PRINT:PRINT "TOTAL=";T
340 A$(0)=STR$(21+2)
350 A$(21)=A$(K)
360 A$(21+1)="\\A"+V$
410 PRINT "LEFT. TRY AGAIN."
420 INPUT C$
430 C$=LEFT$(C$,1)
440 T=T-V
460 PRINT "TOTAL=";T
470 PRINT
475 STOP
480 PRINT "YOUR TOTAL IS";Y1
505 STOP
560 T=T-M
580 M=T
590 T=T-M
600 PRINT:PRINT "ANIMALS I ALREADY KNOW ARE:"
605 X=0
624 PRINT TAB(15*X);
640 M=1
660 PRINT
680 M1=M1+M
810 PRINT
860 PRINT "TOTAL = 0"
910 PRINT
950 PRINT "      I WON. DO YOU WANT TO PLAY?"
970 INPUT A1
990 M1=0
1060 T=27
1100 PRINT "TOTAL=";T
1120 PRINT
1170 PRINT "THE NUMBER OF MARBLES YOU TAKE MUST BE A POSITIVE"
1180 PRINT "INTEGER BETWEEN 1 AND 4."

```

### Even Fur

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THE GAME IS PLAYED AS FOLLOWS:

PLACED ON THE BOARD. THE NUMBER OF CHIPS ALWAYS STARTS AS AN ODD NUMBER. ON EACH TURN, A PLAYER MUST TAKE ONE, TWO, THREE, OR FOUR CHIPS. THE WINNER IS THE PLAYER WHO THE COMPUTER STARTS OUT KNOWING ONLY THE RULES OF THE TRY IT!!!!

TO QUIT AT ANY TIME, TYPE A 'Q' AS YOUR MOVE.

> > > >



```

0 PRINT "### Even Fur"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT
6 PRINT "THE GAME IS PLAYED AS FOLLOWS:"PRINT
8 PRINT "PLACED ON THE BOARD.  THE NUMBER OF CHIPS ALWAYS STARTS"
9 PRINT "AS AN ODD NUMBER.  ON EACH TURN, A PLAYER MUST TAKE ONE,"
10 PRINT "TWO, THREE, OR FOUR CHIPS.  THE WINNER IS THE PLAYER WHO"
12 PRINT "THE COMPUTER STARTS OUT KNOWING ONLY THE RULES OF THE"
15 PRINT "TRY IT!!!!": PRINT
16 PRINT "TO QUIT AT ANY TIME, TYPE A '0' AS YOUR MOVE.": PRINT
20 DIM R(1,5)
21 STOP
25 L=0: B=0
40 R(1,I)=4
50 R(0,I)=4
90 P=INT((13*RND(1)+9)/2)*2+1
100 PRINT
110 PRINT "THERE ARE";P;"CHIPS ON THE BOARD."
120 E1=E
150 L=INT((P/6-INT(P/6))*6+.5)
210 PRINT "COMPUTER TAKES";M;"CHIPS LEAVING";P;"... YOUR MOVE";
230 INPUT M
290 P=P-M
330 PRINT "COMPUTER TAKES";P;"CHIPS."
335 PRINT "HOW MANY ";B$;" PELTS DO YOU HAVE";
350 B=B+P
370 PRINT "GAME OVER ... YOU WIN!!!!": PRINT
420 PRINT "GAME OVER ... I WIN!!!!": PRINT
510 PRINT "COMPUTER TAKES 1 CHIP LEAVING";P;"... YOUR MOVE";
530 PRINT "THERE IS 1 CHIP ON THE BOARD."
1103 PRINT "AND IS UNDER THE PROTECTION OF THE FRENCH ARMY."
1121 PRINT "IS FAR FROM ANY SEAPORT.  THE VALUE"
1135 PRINT "YOU HAVE CHOSEN A HARD ROUTE.  IT IS, IN COMPASION,"
1136 PRINT "HARDER THAN THE ROUTE TO HOCHELAGA BUT EASIER THAN"
1160 LET I=I-160
1174 LET M1=INT((.2*RND(1)+.7)*10^2+.5)/10^2
1207 LET B1=INT((.2*RND(1)+.9)*10^2+.5)/10^2
1216 LET F(2)=0
1218 PRINT "YOUR BEAVER WERE TOO HEAVY TO CARRY ACROSS"
1235 LET F(4)=0
1237 PRINT "YOUR FOX PELTS WERE NOT CURED PROPERLY."
1238 PRINT "NO ONE WILL BUY THEM."
1283 PRINT "KILLED.  THIS ENDS THE GAME."
1284 STOP
1306 LET B1=B1/2
1420 PRINT
1422 PRINT "YOU NOW HAVE $";I;" INCLUDING YOUR PREVIOUS SAVINGS"

```

### Even Hammurabi

EVEN WINS

TRY YOUR HAND AT GOVERNING ANCIENT SUMERIA  
REMOVING FROM 1 TO 4 MARBLES ON EACH MOVE. THE GAME  
(2) YOU MUST TAKE BETWEEN 1 AND 4 MARBLES EACH TURN,

HAMURABI: I BEG TO REPORT TO YOU,  
> > > >

```

0 PRINT "### Even Hammurabi"
1 PRINT TAB(31);"EVEN WINS"
3 PRINT:PRINT
10 M1=0
30 PRINT:PRINT:PRINT
60 PRINT
80 PRINT "      THE 2 PLAYERS ALTERNATE TURNS, WITH EACH PLAYER"
80 PRINT "TRY YOUR HAND AT GOVERNING ANCIENT SUMERIA"
90 PRINT "REMOVING FROM 1 TO 4 MARBLES ON EACH MOVE.  THE GAME"
150 PRINT "(2) YOU MUST TAKE BETWEEN 1 AND 4 MARBLES EACH TURN,"
180 PRINT
190 PRINT
215 PRINT:PRINT:PRINT "HAMURABI:  I BEG TO REPORT TO YOU,": Z=Z+1
229 PRINT "A HORRIBLE PLAGUE STRUCK!  HALF THE PEOPLE DIED."
230 PRINT "POPULATION IS NOW";P
232 PRINT "THE CITY NOW OWNS ";A;"ACRES."
235 PRINT "YOU HARVESTED";Y;"BUSHEL PER ACRE."
250 T=27
320 PRINT:PRINT "TOTAL=";T
350 INPUT Y
360 PRINT
400 PRINT "      YOU HAVE TRIED TO TAKE MORE MARBLES THAN THERE ARE"
400 PRINT
410 PRINT "HOW MANY BUSHEL DO YOU WISH TO FEED YOUR PEOPLE";
440 T=T-Y
444 REM *** TRYING TO PLANT MORE ACRES THAN YOU OWN?
454 REM *** ENOUGH PEOPLE TO TEND THE CROPS?
460 PRINT "TOTAL=";T
470 PRINT
510 S=S-INT(D/2)
515 Y=C: H=D*Y: E=0
525 E=INT(S/C)
540 M=R+1
610 REM      250 IS WHERE I WIN.
710 PRINT "HAMURABI:  THINK AGAIN.  YOU HAVE ONLY"
770 REM      IS # ZERO HERE
810 PRINT
840 PRINT "I PICK UP";M;"MARBLES."
850 PRINT:PRINT "HAMURABI:  I CANNOT DO WHAT YOU WISH."
860 PRINT "TOTAL = 0"
865 PRINT D1;"PEOPLE DIED!!!": L=A/P
875 PRINT L;"ACRES PER PERSON.": PRINT
880 PRINT "THAT IS ALL OF THE MARBLES."
900 PRINT " MY TOTAL IS";M1;", YOUR TOTAL IS";Y1
945 PRINT "THE PEOPLE (REMAINING) FIND YOU AN UNPLEASANT RULER, AND,"
950 PRINT "      I WON.  DO YOU WANT TO PLAY"
970 PRINT "WOULD DEARLY LIKE TO SEE YOU ASSASSINATED BUT WE ALL HAVE
OUR"
1040 PRINT "OK.  SEE YOU LATER."
1060 T=27
1070 PRINT
1130 PRINT "WHAT IS YOUR FIRST MOVE";
1160 PRINT

```

\*\*\* Flip Life

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

TO THIS:

0 0 0 0 0 0 0 0 0 0

BY TYPING THE NUMBER CORRESPONDING TO THE POSITION OF THE  
LETTER ON SOME NUMBERS, ONE POSITION WILL CHANGE, ON  
OTHERS, TWO WILL CHANGE. TO RESET LINE TO ALL X'S, TYPE 0  
(ZERO) AND TO START OVER IN THE MIDDLE OF A GAME, TYPE  
11 (ELEVEN).

HERE IS THE STARTING LINE OF X'S.

1 2 3 4 5 6 7 8 9 10

INPUT THE NUMBER? > > >

```

0 PRINT "### Flip Life"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
9 DATA 21,30,1020,1030,1011,1021,1003,1002,1012
13 DATA -1,0,1,0,0,-1,0,1,-1,-1,1,-1,-1,1,1,1
15 DIM A$(20)
60 PRINT "TO THIS:"
70 PRINT
80 PRINT "0 0 0 0 0 0 0 0 0 0"
90 K=0: M2=0: M3=0
100 PRINT "BY TYPING THE NUMBER CORRESPONDING TO THE POSITION OF THE"
110 PRINT "LETTER ON SOME NUMBERS, ONE POSITION WILL CHANGE, ON"
120 PRINT "OTHERS, TWO WILL CHANGE. TO RESET LINE TO ALL X'S, TYPE 0"
130 PRINT "(ZERO) AND TO START OVER IN THE MIDDLE OF A GAME, TYPE "
140 PRINT "11 (ELEVEN)."
```

190 Q=RND(1)

200 PRINT "HERE IS THE STARTING LINE OF X'S."

210 PRINT

220 C=0

230 PRINT "1 2 3 4 5 6 7 8 9 10"

250 PRINT

260 REM

320 PRINT "INPUT THE NUMBER";

330 INPUT N

351 N(J,K)=100: M2=M2+1: PRINT " \* ";

360 N(J,K)=1000: M3=M3+1: PRINT " # ";

410 A\$(N)="0"

460 A\$(N)="0"

515 N(J,K)=0

530 R=.592\*(1/TAN(Q/N+Q))/SIN(N\*2+Q)-COS(N)

550 N=INT(10\*N)

570 A\$(N)="0"

586 N(X(1),Y(1))=100: N(X(2),Y(2))=1000

610 PRINT "1 2 3 4 5 6 7 8 9 10"

690 PRINT "VERY GOOD. YOU GUESSED IT IN ONLY";C;"GUESSES."

700 PRINT "X,Y":PRINT"XXXXXX";CHR\$(13);"\$\$\$\$\$\$";CHR\$(13);"&&&&&&";

720 PRINT "DO YOU WANT TO TRY ANOTHER PUZZLE";

760 PRINT

\*\*\* Flip Math

FLIPFLOP  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
MATH DICE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

WHEN TWO DICE AND AN EQUAL SIGN FOLLOWED BY A QUESTION  
TO THIS:

0 0 0 0 0 0 0 0 0 0

> > > >

```

0 PRINT "### Flip Math"
2 PRINT TAB(32);"FLIPFLOP"
4 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
10 REM *** CREATED BY MICHAEL CASS
10 PRINT TAB(31);"MATH DICE"
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
50 PRINT "WHEN TWO DICE AND AN EQUAL SIGN FOLLOWED BY A QUESTION"
60 PRINT "TO THIS:"
70 PRINT
80 PRINT "0 0 0 0 0 0 0 0 0 0"
90 PRINT
100 PRINT "BY TYPING THE NUMBER CORRESPONDING TO THE POSITION OF THE"
100 N=N+1
110 D=INT(6*RND(1)+1)
120 PRINT" ----- "
130 PRINT "(ZERO) AND TO START OVER IN THE MIDDLE OF A GAME, TYPE "
140 PRINT "11 (ELEVEN). "
180 REM
180 PRINT "I * I"
200 PRINT "HERE IS THE STARTING LINE OF X'S."
200 PRINT "I      I"
210 PRINT
220 C=0
240 PRINT "I * I"
250 PRINT
270 PRINT "I * * I"
280 A$(C)="X"
310 PRINT "ILLEGAL ENTRY--TRY AGAIN."
310 PRINT "I * * I"
330 PRINT "I      * I"
370 PRINT
381 PRINT
390 M=N
400 A=D
410 A$(N)="0"
430 N=R-INT(R)
440 N=INT(10*N)
460 A$(N)="0"
500 T=D+A
520 A$(N)="0"
520 INPUT T1
540 N=R-INT(R)
540 PRINT "NO, COUNT THE SPOTS AND GIVE ANOTHER ANSWER."
600 PRINT
601 PRINT "THE DICE ROLL AGAIN..."
610 PRINT "1 2 3 4 5 6 7 8 9 10"
610 PRINT
690 PRINT "VERY GOOD. YOU GUESSED IT IN ONLY";C;"GUESSES."
730 INPUT X$
760 PRINT
780 END

```

\*\*\* Flop Check

FLIPFLOP

SOLITAIRE CHECKER PUZZLE BY DAVID AHL

STANDARD 64-SQUARE CHECKERBOARD. THE OBJECT IS TO  
(AS IN STANDARD CHECKERS). USE THE NUMBERED BOARD TO  
X X X X X X X X X X

THE BOARD PRINTED OUT ON EACH TURN '1' INDICATES A  
CHECKER AND '0' AN EMPTY SQUARE. WHEN YOU HAVE NO  
TO THIS:

> > > >



```

0 PRINT "### Flop Check"
2 PRINT TAB(32);"FLIPFLOP"
6 PRINT
10 REM *** CREATED BY MICHAEL CASS
10 PRINT "SOLITAIRE CHECKER PUZZLE BY DAVID AHL"
15 DIM A$(20)
15 PRINT
25 PRINT "STANDARD 64-SQUARE CHECKERBOARD. THE OBJECT IS TO"
35 PRINT "(AS IN STANDARD CHECKERS). USE THE NUMBERED BOARD TO"
40 PRINT "X X X X X X X X X X"
45 PRINT "THE BOARD PRINTED OUT ON EACH TURN 'I' INDICATES A"
50 PRINT
50 PRINT "CHECKER AND 'O' AN EMPTY SQUARE. WHEN YOU HAVE NO"
60 PRINT "TO THIS:"
62 PRINT
66 PRINT
77 PRINT
90 PRINT
90 A(I)=0
110 PRINT "LETTER ON SOME NUMBERS, ONE POSITION WILL CHANGE, ON"
112 PRINT
118 REM *** CHECK LEGALITY OF MOVE
120 PRINT "OTHERS, TWO WILL CHANGE. TO RESET LINE TO ALL X'S, TYPE 0"
120 F1=INT((F-1)/8)
130 PRINT "(ZERO) AND TO START OVER IN THE MIDDLE OF A GAME, TYPE "
170 PRINT
190 Q=RND(1)
220 C=0
230 PRINT "1 2 3 4 5 6 7 8 9 10"
230 PRINT "ILLEGAL MOVE. TRY AGAIN..."
240 PRINT "X X X X X X X X X X"
270 A((T+F)/2)=0
290 M=M+1
320 PRINT "INPUT THE NUMBER";
360 PRINT A(I);
390 M=N
400 PRINT
410 A$(N)="O"
420 R=TAN(Q+N/Q-N)-SIN(Q/N)+336*SIN(8*N)
440 N=INT(10*N)
500 S=0
520 A$(N)="O"
520 S=S+A(I)
530 R=.592*(1/TAN(Q/N+Q))/SIN(N*2+Q)-COS(N)
540 N=R-INT(R)
540 PRINT:PRINT "YOU MADE";M;"JUMPS AND HAD";S;"PIECES"
550 N=INT(10*N)
550 PRINT "REMAINING ON THE BOARD."
562 INPUT "TRY AGAIN";A$
570 A$(N)="O"
590 A$(N)="X"
610 PRINT "O.K. HOPE YOU HAD FUN!!"
630 C=C+1
690 PRINT "VERY GOOD. YOU GUESSED IT IN ONLY";C;"GUESSES."
999 END

```

\*\*\* Flop Hurkle

HURKLE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

0 0 0 0 0 0 0 0 0 0

(ZERO) AND TO START OVER IN THE MIDDLE OF A GAME, TYPE

HERE IS THE STARTING LINE OF X'S.

A HURKLE IS HIDING ON A10B\*10GRID. HOMEBASE  
ON THE GRID IS POINT 0,0 IN THE SOUTHWEST CORNER,  
AND ANY POINT ON THE GRID IS DESIGNATED BY A  
PAIR OF WHOLE NUMBERS SEPERATED BY A COMMA. THE FIRST  
IS THE VERTICAL POSITION. YOU MUST TRY TO  
GUESS THE HURKLE'S GRIDPOINT. YOU GET5TRIES.  
GUESS #> > > >

```

0 PRINT "### Flop Hurkle"
10 REM *** CREATED BY MICHAEL CASS
10 PRINT TAB(33);"HURKLE"
20 PRINT "THE OBJECT OF THIS PUZZLE IS TO CHANGE THIS:"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT
30 PRINT:PRINT:PRINT
50 PRINT
70 PRINT
80 PRINT "0 0 0 0 0 0 0 0 0 0"
110 N=5
120 PRINT "OTHERS, TWO WILL CHANGE. TO RESET LINE TO ALL X'S, TYPE 0"
120 G=10
130 PRINT "(ZERO) AND TO START OVER IN THE MIDDLE OF A GAME, TYPE "
170 PRINT
180 REM
190 Q=RND(1)
200 PRINT "HERE IS THE STARTING LINE OF X'S."
210 PRINT
220 PRINT "A HURKLE IS HIDING ON A";G;"BY";G;"GRID. HOMEBASE"
230 PRINT "1 2 3 4 5 6 7 8 9 10"
230 PRINT "ON THE GRID IS POINT 0,0 IN THE SOUTHWEST CORNER,"
235 PRINT "AND ANY POINT ON THE GRID IS DESIGNATED BY A"
240 PRINT "PAIR OF WHOLE NUMBERS SEPERATED BY A COMMA. THE FIRST"
246 PRINT "IS THE VERTICAL POSITION. YOU MUST TRY TO"
250 PRINT "GUESS THE HURKLE'S GRIDPOINT. YOU GET";N;"TRIES."
260 REM
285 A=INT(G*RND(1))
286 B=INT(G*RND(1))
320 PRINT "GUESS #";K;
330 INPUT X,Y
370 PRINT
410 PRINT
420 R=TAN(Q+N/Q-N)-SIN(Q/N)+336*SIN(8*N)
420 PRINT "SORRY, THAT'S";N;"GUESSES."
430 N=R-INT(R)
430 PRINT "THE HURKLE IS AT ";A;",";B
440 N=INT(10*N)
440 PRINT
450 PRINT "LET'S PLAY AGAIN, HURKLE IS HIDING."
460 A$(N)="0"
460 PRINT
510 PRINT
520 PRINT "YOU FOUND HIM IN";K;"GUESSES!"
530 R=.592*(1/TAN(Q/N+Q))/SIN(N*2+Q)-COS(N)
550 N=INT(10*N)
570 A$(N)="0"
590 A$(N)="X"
610 PRINT "1 2 3 4 5 6 7 8 9 10"
610 PRINT "GO ";
630 C=C+1
640 PRINT
640 PRINT "SOUTH";
660 PRINT "NORTH";
690 PRINT "VERY GOOD. YOU GUESSED IT IN ONLY";C;"GUESSES."
690 PRINT "WEST";
710 PRINT "EAST";
720 PRINT "DO YOU WANT TO TRY ANOTHER PUZZLE";
760 PRINT
999 END

```

\*\*\* Flop Market

FLIPFLOP  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
STOCK MARKET

THE OBJECT OF THIS PUZZLE IS TO CHANGE THIS:

X X X X X X X X X X  
TO THIS:

BY TYPING THE NUMBER CORRESPONDING TO THE POSITION OF THE  
LETTER ON SOME NUMBERS, ONE POSITION WILL CHANGE, ON  
OTHERS, TWO WILL CHANGE. TO RESET LINE TO ALL X'S, TYPE 0  
DO YOU WANT THE INSTRUCTIONS (YES-TYPE 1, NO-TYPE 0)  
THIS PROGRAM PLAYS THE STOCK MARKET. YOU WILL BE GIVEN  
IN YOUR PORTFOLIO WILL BE PRINTED. FOLLOWING THIS, THE  
MARK. HERE YOU INDICATE A TRANSACTION. TO BUY A STOCK  
11 (ELEVEN).

-----GOOD LUCK!-----

1 2 3 4 5 6 7 8 9 10

> > > >

```

0 PRINT "### Flop Market"
2 PRINT TAB(32);"FLIPFLOP"
4 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
10 REM *** CREATED BY MICHAEL CASS
10 PRINT TAB(30);"STOCK MARKET"
15 DIM A$(20)
20 PRINT "THE OBJECT OF THIS PUZZLE IS TO CHANGE THIS:"
30 PRINT
40 PRINT "X X X X X X X X X X"
60 PRINT "TO THIS:"
90 PRINT
100 PRINT "BY TYPING THE NUMBER CORRESPONDING TO THE POSITION OF THE"
110 PRINT "LETTER ON SOME NUMBERS, ONE POSITION WILL CHANGE, ON"
120 PRINT "OTHERS, TWO WILL CHANGE. TO RESET LINE TO ALL X'S, TYPE 0"
122 PRINT "DO YOU WANT THE INSTRUCTIONS (YES-TYPE 1, NO-TYPE 0)";
125 PRINT
130 PRINT "(ZERO) AND TO START OVER IN THE MIDDLE OF A GAME, TYPE "
130 PRINT "THIS PROGRAM PLAYS THE STOCK MARKET. YOU WILL BE GIVEN"
137 PRINT "IN YOUR PORTFOLIO WILL BE PRINTED. FOLLOWING THIS, THE"
139 PRINT "MARK. HERE YOU INDICATE A TRANSACTION. TO BUY A STOCK"
140 PRINT "11 (ELEVEN).";
147 PRINT "-----GOOD LUCK!-----"
210 PRINT
230 PRINT "1 2 3 4 5 6 7 8 9 10"
250 PRINT
260 REM
280 A$(X)="X"
310 PRINT "ILLEGAL ENTRY--TRY AGAIN."
330 INPUT N
330 PRINT
338 REM PRINT INITIAL PORTFOLIO
356 PRINT "AMERICAN BANKRUPT CO.," ABC",S(4)
361 REM NYSE AVERAGE:25; TEMP. VALUE:24; NET CHANGE:26
364 LET Z5=0
392 LET Z6=INT((Z5-Z4)*100+.5)/100
393 REM TOTAL ASSETS:D
401 PRINT "TOTAL STOCK ASSETS ARE $";T
405 PRINT "TOTAL CASH ASSETS ARE $";C
410 A$(N)="0"
416 REM INPUT TRANSACTIONS
420 R=TAN(Q+N/Q-N)-SIN(Q/N)+336*SIN(8*N)
420 PRINT "WHAT IS YOUR TRANSACTION IN"
470 PRINT "LBJ";
525 PRINT
540 N=R-INT(R)
550 N=INT(10*N)
590 A$(N)="X"
610 PRINT "1 2 3 4 5 6 7 8 9 10"
640 PRINT
640 LET B5=INT(.01*T5*100+.5)/100
654 LET C5=C-P5-B5+S5
720 PRINT "DO YOU WANT TO TRY ANOTHER PUZZLE";
750 REM PRINT PORTFOLIO
772 PRINT "LBJ", S(3), P(3), S(3)*P(3), C(3)
780 END
790 PRINT
861 LET N1=N1-1
967 LET S(I)=INT(100*S(I)+.5)/100
972 REM AFTER T8 DAYS RANDOMLY CHANGE TREND SIGN AND SLOPE
985 REM RANDOMLY CHANGE TREND SIGN AND SLOPE (A), AND DURATION
986 REM OF TREND (T8)
995 LET A=-A
999 END

```

\*\*\* Flop Splat

WELCOME TO 'SPLAT' -- THE GAME THAT SIMULATES A PARACHUTE  
MOMENT WITHOUT GOING SPLAT.  
SELECT YOUR OWN TERMINAL VELOCITY (YES OR NO)? 11 (ELEVEN).

HERE IS THE STARTING LINE OF X'S.

TERM. VELOCITY =  
HOW MANY SECONDS? HERE WE GO.

TIME (SEC)  
1 2 3 4 5 6 7 8 9 10

> >

```

0 PRINT "### Flop Splat"
10 REM *** CREATED BY MICHAEL CASS
30 PRINT
40 PRINT "X X X X X X X X X X"
40 PRINT:PRINT:PRINT
50 PRINT
50 DIM A(42)
90 PRINT
95 PRINT "WELCOME TO 'SPLAT' -- THE GAME THAT SIMULATES A PARACHUTE"
97 PRINT "MOMENT WITHOUT GOING SPLAT."
119 PRINT "SELECT YOUR OWN TERMINAL VELOCITY (YES OR NO)";INPUT A$
140 PRINT "11 (ELEVEN)."
```

170 PRINT

180 REM

200 PRINT "HERE IS THE STARTING LINE OF X'S."

205 PRINT

207 PRINT " TERM. VELOCITY ="V1"FT/SEC +/-5%"

211 PRINT "HOW MANY SECONDS";INPUT T

215 PRINT "HERE WE GO."

217 PRINT

218 PRINT "TIME (SEC)","DIST TO FALL (FT)"

220 C=0

230 PRINT "1 2 3 4 5 6 7 8 9 10"

250 PRINT

260 REM

280 A\$(X)="X"

310 PRINT "ILLEGAL ENTRY--TRY AGAIN."

320 D=D1-((A/2)\*I^2)

330 INPUT N

390 M=N

410 D=D1-((V^2/(2\*A))+((V\*(1-(V/A))))

440 N=INT(10\*N)

480 A\$(N)="X"

530 R=.592\*(1/TAN(Q/N+Q))/SIN(N\*2+Q)-COS(N)

540 N=R-INT(R)

550 N=INT(10\*N)

590 A\$(N)="X"

610 PRINT "1 2 3 4 5 6 7 8 9 10"

620 A(J)=D

640 PRINT

710 PRINT "PRETTY GOOD! " K"SUCCESSFUL JUMPS PRECEDED YOURS AND ONLY"

730 INPUT X\$

730 PRINT "CONSERVATIVE, AREN'T YOU? YOU RANKED ONLY"K-K1"IN THE"

760 PRINT

780 END

1000 PRINT SQR(2\*D1/A),"SPLAT"

2000 PRINT "DO YOU WANT TO PLAY AGAIN";INPUT Z\$

### Flop Stars

STARS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
X X X X X X X X X X

0 0 0 0 0 0 0 0 0 0

LETTER ON SOME NUMBERS, ONE POSITION WILL CHANGE, ON

TRY TO GUESS MY NUMBER. AFTER YOU GUESS, I  
WILL TYPE ONE OR MORE STARS (\*). THE MORE  
STARS I TYPE, THE CLOSER YOU ARE TO MY NUMBER.  
ONE STAR (\*) MEANS FAR AWAY, SEVEN STARS (\*\*\*\*\*)  
MEANS REALLY CLOSE! YOU GET 7 GUESSES.

OK, I AM THINKING OF A NUMBER, START GUESSING.

? > > >



```

0 PRINT "### Flop Stars"
10 PRINT TAB(34);"STARS"
15 DIM A$(20)
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
40 PRINT "X X X X X X X X X X"
50 PRINT
70 PRINT
80 PRINT "0 0 0 0 0 0 0 0 0 0"
90 PRINT
100 REM *** STARS - PEOPLE'S COMPUTER CENTER, MENLO PARK, CA
110 PRINT "LETTER ON SOME NUMBERS, ONE POSITION WILL CHANGE, ON"
140 REM *** A IS LIMIT ON NUMBER, M IS NUMBER OF GUESSES
150 A=100:M=7
170 PRINT
190 Q=RND(1)
200 PRINT "HERE IS THE STARTING LINE OF X'S."
200 REM *** INSTRUCTIONS ON HOW TO PLAY
210 PRINT
220 PRINT "TRY TO GUESS MY NUMBER. AFTER YOU GUESS, I"
230 PRINT "WILL TYPE ONE OR MORE STARS (*). THE MORE"
240 PRINT "X X X X X X X X X X"
240 PRINT "STARS I TYPE, THE CLOSER YOU ARE TO MY NUMBER."
250 PRINT
250 PRINT "ONE STAR (*) MEANS FAR AWAY, SEVEN STARS (*****)"
260 REM
260 PRINT "MEANS REALLY CLOSE! YOU GET";M;"GUESSES."
280 A$(X)="X"
280 PRINT
290 PRINT
300 X=INT(A*RND(1)+1)
310 PRINT "ILLEGAL ENTRY--TRY AGAIN."
310 PRINT "OK, I AM THINKING OF A NUMBER, START GUESSING."
320 PRINT "INPUT THE NUMBER";
320 REM *** GUESSING BEGINS, HUMAN GETS M GUESSES
340 PRINT
360 INPUT G
380 D=ABS(G-X)
410 A$(N)="0"
420 R=TAN(Q+N/Q-N)-SIN(Q/N)+336*SIN(8*N)
440 N=INT(10*N)
450 PRINT "*";
460 A$(N)="0"
480 A$(N)="X"
480 PRINT "*";
490 PRINT "*";
500 PRINT "*";
510 PRINT "*";
520 PRINT
530 R=.592*(1/TAN(Q/N+Q))/SIN(N*2+Q)-COS(N)
540 N=R-INT(R)
540 REM *** DID NOT GUESS IN M GUESSES
550 PRINT
560 PRINT "SORRY, THAT'S";M;"GUESSES. THE NUMBER WAS";X
570 A$(N)="0"
590 A$(N)="X"
590 REM *** WE HAVE A WINNER
610 PRINT "1 2 3 4 5 6 7 8 9 10"
610 PRINT "*";
630 PRINT:PRINT
640 PRINT "YOU GOT IT IN";K;"GUESSES!!! LET'S PLAY AGAIN..."
660 END
690 PRINT "VERY GOOD. YOU GUESSED IT IN ONLY";C;"GUESSES."
720 PRINT "DO YOU WANT TO TRY ANOTHER PUZZLE";
730 INPUT X$

```

\*\*\* Football Bounce

BOUNCE

OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF  
COEFFICIENCY (LESS THAN 1).

VELOCITY (FPS)COEFFICIENT

> >

```

0 PRINT "### Football Bounce"
10 PRINT TAB(33);"BOUNCE"
30 PRINT:PRINT:PRINT
100 REM
110 PRINT "OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF"
130 PRINT "COEFFICIENCY (LESS THAN 1)."

```

\*\*\* Football Check

ONE CHECK

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

SOLITAIRE CHECKER PUZZLE BY DAVID AHL

48 CHECKERS ARE PLACED ON THE 2 OUTSIDE SPACES OF A  
STANDARD 64-SQUARE CHECKERBOARD. THE OBJECT IS TO  
(AS IN STANDARD CHECKERS). USE THE NUMBERED BOARD TO  
CHECKER AND '0' AN EMPTY SQUARE. WHEN YOU HAVE NO  
QUESTION 'JUMP FROM ?'  
HERE IS THE NUMERICAL BOARD:

> > > >

```

0 PRINT "### Football Check"
2 PRINT TAB(30);"ONE CHECK"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT: PRINT: PRINT
8 DIM A(64)
10 PRINT "SOLITAIRE CHECKER PUZZLE BY DAVID AHL"
20 PRINT "48 CHECKERS ARE PLACED ON THE 2 OUTSIDE SPACES OF A"
25 PRINT "STANDARD 64-SQUARE CHECKERBOARD. THE OBJECT IS TO"
35 PRINT "(AS IN STANDARD CHECKERS). USE THE NUMBERED BOARD TO"
50 PRINT "CHECKER AND '0' AN EMPTY SQUARE. WHEN YOU HAVE NO"
60 PRINT "QUESTION 'JUMP FROM ?'"
63 PRINT "HERE IS THE NUMERICAL BOARD:"
75 PRINT TAB(24);J+6;TAB(28);J+7
79 PRINT
90 A(I)=0
112 PRINT
120 F1=INT((F-1)/8)
140 T1=INT((T-1)/8)
150 INPUT "DO YOU WANT INSTRUCTIONS";A$
150 T2=T-8*T1
250 PRINT "BOTH QUESTIONS IS NO IT WILL BE ASSUMED YOU WANT TO"
310 REM *** PRINT BOARD
360 PRINT A(I);
520 S=S+A(I)
560 PRINT
562 INPUT "TRY AGAIN";A$
580 PRINT "PLEASE ANSWER 'YES' OR 'NO'."
630 L=L+20:T=2
760 PRINT: PRINT "THE COIN IS FLIPPED"
765 P=X(T)-Y(T)*40
790 P=P-Y(T)*K
830 PRINT "TEAM";T;"DO YOU WANT TO RUNBACK";:INPUT A$
870 P=2(T)-W(T)*20
880 D=1: S=P
1060 PRINT: PRINT "NET YARDS GAINED ON DOWN";D;"ARE ";Y
1080 PRINT: PRINT "** LOSS OF POSSESSION FROM TEAM";T;"TO TEAM";T(T)
1180 PRINT "DOES TEAM";T;"WANT TO PUNT";: INPUT A$
1280 PRINT"TEAM";T;"DO YOU WANT TO PUNT INSTEAD OF A KICKOFF";:INPUT A$
1440 R=INT(((X(T)-Y(T)*P+25)*RAND(1)-15)/K)
1480 PRINT:PRINT "RUNBACK TEAM";T;R;"YARDS"
1790 DATA "PITCHOUT","TRIPLE REVERSE","DRAW","QB SNEAK","END AROUND"
1794 DATA "WISHBONE OPTION","FLARE PASS","SCREEN PASS"
1900 PRINT TAB(D(T)+5+P/2);M$(T)
1910 PRINT "TEAM 1 10 10 20 30 40 50 60 70 80 90";
1915 PRINT " 100 TEAM 2"
1920 PRINT

```

\*\*\* Football Target

FOOTBALL  
TARGET  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE  
ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD

OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,  
THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z  
AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET.  
DESTROYED!

GOOD LUCK!!

RADIANS FROM X AXIS =1.9718009695816776 FROM Z AXIS =5.140598852236376  
THE GAME IS PLAYED UNTIL PLAYERS TERMINATE (CONTROL-C).  
TARGET SIGHTED: APPROXIMATE COORDINATES: X=23817.60366169208  
Y=-56176.515095717186 Z=27851.602682871264  
> > > >

```

0 PRINT "### Football Target"
1 PRINT TAB(32);"FOOTBALL"
10 PRINT TAB(33);"TARGET"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
100 R=1: R1=57.296: P=3.14159
110 PRINT "YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE"
130 PRINT "ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD"
145 PRINT:PRINT
150 PRINT "OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,"
160 PRINT "THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z"
170 PRINT "AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET."
190 PRINT "DESTROYED!":PRINT:PRINT "GOOD LUCK!":PRINT:PRINT
220 A=RNDC(1)*2*P: B=RNDC(1)*2*P: Q=INT(A*R1): W=INT(B*R1)
260 PRINT "RADIANS FROM X AXIS =";A;" FROM Z AXIS =";B
270 PRINT "THE GAME IS PLAYED UNTIL PLAYERS TERMINATE (CONTROL-C)."
```

280 P1=100000\*RNDC(1)+RNDC(1): X=SIN(B)\*COS(A)\*P1: Y=SIN(B)\*SIN(A)\*P1

290 Z=COS(B)\*P1

340 PRINT "TARGET SIGHTED: APPROXIMATE COORDINATES: X=";X;" Y=";Y;"

Z=";Z

350 B(N)=I-20

375 P3=P1

390 PRINT " ESTIMATED DISTANCE:";P3

400 PRINT:PRINT "INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z,

DISTANCE":

405 INPUT A1,B1,P2

420 A1=A1/R1: B1=B1/R1: PRINT "RADIANS FROM X AXIS =";A1;" ";

425 PRINT "FROM Z AXIS =";B1

530 PRINT:PRINT " \* \* \* HIT \* \* \* TARGET IS NON-FUNCTIONAL":PRINT

550 PRINT "DISTANCE OF EXPLOSION FROM TARGET WAS";D;"KILOMETERS."

570 PRINT:PRINT "MISSION ACCOMPLISHED IN ";R;" SHOTS."

630 L=L+20:T=2

720 Y(1)=1: Y(2)=-1: Z(1)=0: Z(2)=100

730 PRINT "TEAM 1 DEFENDS 0 YD GOAL -- TEAM 2 DEFENDS 100 YD GOAL."

730 PRINT "SHOT BEHIND TARGET";-X2;"KILOMETERS."

770 PRINT "SHOT TO RIGHT OF TARGET";-Y2;"KILOMETERS."

810 PRINT "SHOT BELOW TARGET";-Z2;"KILOMETERS."

820 PRINT "APPROX POSITION OF EXPLOSION: X=";X1;" Y=";Y1;" Z=";Z1

870 P=Z(T)-W(T)\*20

901 PRINT TAB(27);10-(Y(T)\*P-Y(T)\*5);"YARDS TO 1ST DOWN"

999 END

1048 PRINT "THE BALL WAS RUN"

1280 PRINT"TEAM";T;"DO YOU WANT TO PUNT INSTEAD OF A KICKOFF?";INPUT A\$

1440 R=INT(((X(T)-Y(T)\*P+25)\*RNDC(1)-15)/K)

1480 PRINT:PRINT "RUNBACK TEAM";T;R;"YARDS"

1740 PRINT "FIELD GOAL UNSUCCESSFUL TEAM";T;"-----TOO BAD"

1850 PRINT

1900 PRINT TAB(D(T)+5+P/2);M\$(T)

1920 PRINT

2000 END

### Gomoko Change

GOMOKO  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

I, YOUR FRIENDLY MICROCOMPUTER, WILL DETERMINE

COST OF ITEM? AMOUNT OF PAYMENT?

THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE  
5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR  
DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED  
YOUR CHANGE, \$> >



```

0 PRINT "### Gomoko Change"
2 PRINT TAB(33);"GOMOKO"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
5 PRINT:PRINT:PRINT
6 PRINT:PRINT:PRINT
6 PRINT "I, YOUR FRIENDLY MICROCOMPUTER, WILL DETERMINE"
8 DIM A(19,19)
9 PRINT:PRINT
10 PRINT "COST OF ITEM";INPUT A:PRINT "AMOUNT OF PAYMENT";INPUT P
20 PRINT: PRINT "THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE"
50 PRINT "5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR"
60 PRINT "DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED"
120 PRINT "YOUR CHANGE, $";C
130 D=INT(C/10)
155 C=M-(D*10)
160 E=INT(C/5)
185 C=M-(D*10+E*5)
215 C=M-(D*10+E*5+F)
220 C=C*100
225 N=C
250 PRINT G;"ONE HALF DOLLAR(S)"
255 C=N-(G*50)
260 H=INT(C/25)
280 PRINT H;"QUARTER(S)"
285 C=N-(G*50+H*25)
290 I=INT(C/10)
300 PRINT: PRINT "WE ALTERNATE MOVES. YOU GO FIRST...": PRINT
310 PRINT I;"DIME(S)"
315 PRINT
315 C=N-(G*50+H*25+I*10)
320 J=INT(C/5)
340 PRINT J;"NICKEL(S)"
350 K=INT(C+.5)
380 PRINT "THANK YOU, COME AGAIN."
390 PRINT:PRINT
410 END
500 REM *** COMPUTER TRIES AN INTELLIGENT MOVE ***
600 REM *** COMPUTER TRIES A RANDOM MOVE ***
999 END

```

### Gomoko Combat

GOMOKO

I AM AT WAR WITH YOU.  
WE HAVE 72000 SOLDIERS APIECE.

ARMY

NAVY

?

THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE  
? INTERSECTION WITH A MARKER. THE OBJECT OF THE GAME IS TO GET  
5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR  
DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED  
WITH A '1' AND THE COMPUTER MOVES WITH A '2'.

THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON.  
WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)? YOU LOST 3 MEN FROM YOUR ARMY.  
>

```

0 PRINT "### Gomoko Combat"
2 PRINT TAB(33);"GOMOKO"
3 PRINT: PRINT: PRINT
4 PRINT "I AM AT WAR WITH YOU.": PRINT "WE HAVE 72000 SOLDIERS APIECE."
6 PRINT:PRINT:PRINT
7 PRINT "ARMY",30000,
9 PRINT "NAVY",20000,
12 INPUT C
14 D=30000
20 PRINT: PRINT "THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE"
21 INPUT X
40 PRINT "INTERSECTION WITH A MARKER. THE OBJECT OF THE GAME IS TO GET"
50 PRINT "5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR"
60 PRINT "DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED"
70 PRINT "WITH A '1' AND THE COMPUTER MOVES WITH A '2'."
80 PRINT: PRINT "THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON."
110 PRINT "WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)": INPUT N
120 PRINT "YOU LOST":X;"MEN FROM YOUR ARMY."
155 A=INT(A-X/3)
270 PRINT "YOU SUNK ONE OF MY PATROL BOATS, BUT I WIPE OUT TWO"
290 E=INT(2+E/3)
300 PRINT: PRINT "WE ALTERNATE MOVES. YOU GO FIRST...": PRINT
310 PRINT "YOUR PLAY (I,J)": INPUT I,J
350 PRINT "YOUR ATTACK WAS WIPE OUT."
375 D=INT(2+D/3)
380 PRINT "YOU WIPE OUT ONE OF MY ARMY PATROLS, BUT I DESTROYED"
381 PRINT "TWO NAVY BASES AND BOMBED THREE ARMY BASES."
387 B=INT(B/3)
440 A(I,J)=1
500 REM *** COMPUTER TRIES AN INTELLIGENT MOVE ***
501 PRINT,"YOU","ME"
520 PRINT "NAVY",B,E
600 REM *** COMPUTER TRIES A RANDOM MOVE ***
800 REM *** PRINT THE BOARD ***
1615 PRINT "YOU DESTROYED MY ARMY!"
1630 PRINT "I WIPE OUT YOUR ATTACK!"
1755 A=A/4
1835 A=A/3
1840 C=C/3
2001 PRINT "FROM THE RESULTS OF BOTH OF YOUR ATTACKS,"
2006 PRINT "THE TREATY OF PARIS CONCLUDED THAT WE TAKE OUR"
2007 PRINT "RESPECTIVE COUNTRIES AND LIVE IN PEACE."
2010 PRINT "YOU WON, OH! SHUCKS!!!"
2020 END

```

### Gomoko Dice

GOMOKO  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

MATH DICE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
WHEN TWO DICE AND AN EQUAL SIGN FOLLOWED BY A QUESTION  
DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED  
TO CONCLUDE THE LESSON, TYPE CONTROL-C AS YOUR ANSWER.

> > > >

```

0 PRINT "### Gomoko Dice"
2 PRINT TAB(33);"GOMOKO"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT:PRINT:PRINT
10 PRINT TAB(31);"MATH DICE"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
50 PRINT "5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR"
50 PRINT "WHEN TWO DICE AND AN EQUAL SIGN FOLLOWED BY A QUESTION"
60 PRINT "DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED"
70 PRINT "WITH A '1' AND THE COMPUTER MOVES WITH A '2'."
70 PRINT "TO CONCLUDE THE LESSON, TYPE CONTROL-C AS YOUR ANSWER."
80 PRINT: PRINT "THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON."
80 PRINT
90 PRINT
100 N=N+1
110 PRINT "WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)"; INPUT N
120 PRINT "-----"
160 PRINT "I * * I"
180 PRINT "I * I"
240 PRINT "I * I"
260 PRINT "I I"
300 PRINT: PRINT "WE ALTERNATE MOVES. YOU GO FIRST...": PRINT
310 PRINT "YOUR PLAY (I,J)"; INPUT I,J
310 PRINT "I * * I"
315 PRINT
330 PRINT "I * I"
370 PRINT
400 A=D
440 A(I,J)=1
500 REM *** COMPUTER TRIES AN INTELLIGENT MOVE ***
500 T=D+A
520 INPUT T1
540 PRINT "NO, COUNT THE SPOTS AND GIVE ANOTHER ANSWER."
570 PRINT "NO, THE ANSWER IS";T
600 PRINT
601 PRINT "THE DICE ROLL AGAIN..."
610 PRINT
800 REM *** PRINT THE BOARD ***
999 END
999 END

```

### Gomoko Nim

GOMOKO

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
WELCOME TO THE ORIENTAL GAME OF GOMOKO.

THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE  
DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED  
WITH A '1' AND THE COMPUTER MOVES WITH A '2'.

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

DO YOU WANT INSTRUCTIONS  
WE ALTERNATE MOVES. YOU GO FIRST...

YOUR PLAY (I,J)? Not enough values input - redo from start  
? Not enough values input - redo from start  
? Not enough values input - redo from start  
?  
?  
? >

```

0 PRINT "### Gomoko Nim"
2 PRINT TAB(33);"GOMOKO"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
8 DIM A(19,19)
10 PRINT "WELCOME TO THE ORIENTAL GAME OF GOMOKO."
20 PRINT: PRINT "THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE"
60 PRINT "DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED"
70 PRINT "WITH A '1' AND THE COMPUTER MOVES WITH A '2'."
110 PRINT "WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)"; INPUT N
110 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
120 PRINT:PRINT:PRINT
210 DIM A(100),B(100,10),D(2)
230 PRINT "DO YOU WANT INSTRUCTIONS";
300 PRINT: PRINT "WE ALTERNATE MOVES. YOU GO FIRST...": PRINT
310 PRINT "YOUR PLAY (I,J)"; INPUT I,J
315 PRINT
370 PRINT "WINNING IS DEFINED AS TAKING OR NOT TAKING THE LAST OBJECT,"
430 PRINT "MOVES."
440 A(I,J)=1
450 PRINT "ENTER WIN OPTION - 1 TO TAKE LAST, 2 TO AVOID LAST";
460 INPUT W
490 PRINT "ENTER NUMBER OF PILES";
500 REM *** COMPUTER TRIES AN INTELLIGENT MOVE ***
500 INPUT N
540 PRINT "ENTER PILE SIZES"
600 REM *** COMPUTER TRIES A RANDOM MOVE ***
630 INPUT Q9$
710 LET C=0
820 PRINT "MACHINE WINS"
980 LET B(I,J)=2*(F-INT(F))
1070 LET C=C+1
1210 LET B(G,J)=0
1250 LET C=C+1
1340 LET C=C+1
1620 LET Z=1
1650 INPUT Q9$
1700 PRINT "PLEASE. YES OR NO."

```

### Gomoko Quiz

LITERATURE QUIZ  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE.

THIS IS A MULTIPLE-CHOICE QUIZ.

TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK.

GOOD LUCK!

THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE  
IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT  
1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO

1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'SPRETTY GOOD!

IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED  
1>CICERO, 2>TRIXIA, 3>KING, 4>TOTOYEA! YOU'RE A REAL LITERATURE GIANT.  
OH, COME ON NOW...IT WAS SNOW WHITE.  
GOOD MEMORY!

NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME  
> > > >



```

0 PRINT "### Gomoko Quiz"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
5 R=0
6 PRINT:PRINT:PRINT
8 DIM A(19,19)
10 PRINT "WELCOME TO THE ORIENTAL GAME OF GOMOKO."
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
13 PRINT "TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
20 PRINT: PRINT "THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE"
40 PRINT "IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT"
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
47 R=R+1
50 PRINT "5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR"
50 PRINT: PRINT
52 PRINT "1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S";
56 PRINT "PRETTY GOOD!"
60 PRINT "DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED"
60 PRINT: PRINT
61 PRINT "IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED"
62 PRINT "1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO";
66 PRINT "YEA! YOU'RE A REAL LITERATURE GIANT."
67 R=R+1
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
76 PRINT "GOOD MEMORY!"
77 R=R+1
80 PRINT:PRINT
92 PRINT "NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME"
96 STOP
110 PRINT "WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)": INPUT N
120 PRINT "LITERATURE (HA, HA, HA)"
130 STOP
310 PRINT "YOUR PLAY (I,J)": INPUT I,J
315 PRINT
500 REM *** COMPUTER TRIES AN INTELLIGENT MOVE ***
800 REM *** PRINT THE BOARD ***
999 END
999 END

```

### Gomoko Slalom

GOMOKO

WELCOME TO THE ORIENTAL GAME OF GOMOKO.

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
INTERSECTION WITH A MARKER. THE OBJECT OF THE GAME IS TO GET  
5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR  
DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED

THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON.

WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)?

WE ALTERNATE MOVES. YOU GO FIRST...

> > >

```

0 PRINT "### Gomoko Slalom"
2 PRINT TAB(33);"GOMOKO"
8 DIM A(19,19)
10 PRINT "WELCOME TO THE ORIENTAL GAME OF GOMOKO."
20 PRINT: PRINT "THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
40 PRINT "INTERSECTION WITH A MARKER. THE OBJECT OF THE GAME IS TO GET"
50 PRINT "5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR"
60 PRINT "DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED"
80 PRINT: PRINT "THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON."
110 PRINT "WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)": INPUT N
300 PRINT: PRINT "WE ALTERNATE MOVES. YOU GO FIRST...": PRINT
315 PRINT
370 LET V=25
440 A(I,J)=1
490 REM
500 REM *** COMPUTER TRIES AN INTELLIGENT MOVE ***
500 LET T=0
510 LET S=INT(RND(1)*(18-9)+9)
520 PRINT
600 REM *** COMPUTER TRIES A RANDOM MOVE ***
740 PRINT:PRINT "DO YOU WANT TO RACE AGAIN";
760 REM
790 PRINT "PLEASE TYPE 'YES' OR 'NO'"
800 REM *** PRINT THE BOARD ***
830 PRINT "          THE AMERICAN TEAM'S ONLY HOPE OF A GOLD MEDAL."
957 PRINT
1010 LET S=S+INT(RND(1)*(5-3)+3)
1300 PRINT "YOU WENT OVER THE MAXIMUM SPEED AND MADE IT!"
1340 PRINT "WIPE OUT!"
1390 PRINT "LET'S BE REALISTIC, OK? LET'S GO BACK AND TRY AGAIN..."
1400 LET S=S1
1650 PRINT "YOU WON A GOLD MEDAL!"
1690 LET S(1)=S(1)+1
1710 PRINT "YOU WON A BRONZE MEDAL"
1810 DATA 14,18,26,29,18,25,28,32,29,20,29,29,25,21,26,29,20,21,20

```

### Gomoko Tower

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

WELCOME TO THE ORIENTAL GAME OF GOMOKO.

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
INTERSECTION WITH A MARKER. THE OBJECT OF THE GAME IS TO GET  
5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR  
DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED  
WITH A '1' AND THE COMPUTER MOVES WITH A '2'.

THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON.  
WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)? HOW MANY DISKS DO YOU WANT  
TO MOVE (7 IS MAX)

WE ALTERNATE MOVES. YOU GO FIRST...

YOUR PLAY (I,J)? Not enough values input - redo from start

?

?

? >

```

0 PRINT "### Gomoko Tower"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT:PRINT:PRINT
8 DIM A(19,19)
10 PRINT "WELCOME TO THE ORIENTAL GAME OF GOMOKO."
20 PRINT: PRINT "THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
40 PRINT "INTERSECTION WITH A MARKER. THE OBJECT OF THE GAME IS TO GET"
50 PRINT "5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR"
60 PRINT "DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED"
70 PRINT "WITH A '1' AND THE COMPUTER MOVES WITH A '2'."
80 PRINT: PRINT "THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON."
110 PRINT "WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)"; INPUT N
215 INPUT "HOW MANY DISKS DO YOU WANT TO MOVE (7 IS MAX)";S
220 PRINT
230 M=0
300 PRINT: PRINT "WE ALTERNATE MOVES. YOU GO FIRST...": PRINT
310 PRINT "YOUR PLAY (I,J)"; INPUT I,J
315 PRINT
320 PRINT "JUST TAKE MY PUZZLE AND GO HOME. SO LONG.": STOP
350 PRINT "IN THIS PROGRAM, WE SHALL REFER TO DISKS BY NUMERICAL CODE."
365 PRINT "2 DISKS, THEIR CODE NAMES WOULD BE 13 AND 15. WITH 3 DISKS"
370 PRINT "THE CODE NAMES WOULD BE 11, 13 AND 15, ETC. THE NEEDLES"
375 PRINT "ARE NUMBERED FROM LEFT TO RIGHT, 1 TO 3. WE WILL"
440 A(I,J)=1
480 PRINT "WHICH DISK WOULD YOU LIKE TO MOVE";E=0
560 PRINT "STOP WASTING MY TIME. GO BOTHER SOMEONE ELSE.": STOP
705 INPUT "PLACE DISK ON WHICH NEEDLE";N
780 PRINT "I TRIED TO WARN YOU, BUT YOU WOULDN'T LISTEN."
800 REM *** PRINT THE BOARD ***
995 REM *** PRINT OUT CURRENT STATUS
999 END
1110 PRINT "128 MOVES.": STOP
1230 REM *** PRINT SUBROUTINE
1250 Z=10
1330 PRINT TAB(Z);"*";
1360 PRINT

```

### Guess Animal

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?  
I'M THINKING OF A NUMBER BETWEEN 1 AND 2  
NOW YOU TRY TO GUESS WHAT IT IS.  
?

TOO LOW. TRY A BIGGER ANSWER.  
TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 1 TRIES.  
YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2  
VERY

> >

```

0 PRINT "### Guess Animal"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
20 INPUT N
30 G=G+1
30 PRINT: PRINT: PRINT
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
45 PRINT
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
60 PRINT
70 DIM A$(200)
71 PRINT
99 END
110 N=VAL(A$(0))
120 REM          MAIN CONTROL SECTION
130 INPUT "ARE YOU THINKING OF AN ANIMAL";A$
200 PRINT "IS IT A ";RIGHT$(A$(K),LEN(A$(K))-2);
210 INPUT A$
220 A$=LEFT$(A$,1)
250 PRINT "PLEASE TYPE IN A QUESTION THAT WOULD DISTINGUISH A"
260 PRINT V$;" FROM A ";RIGHT$(A$(K),LEN(A$(K))-2)
330 Z1=VAL(A$(0))
340 A$(0)=STR$(Z1+2)
350 A$(Z1)=A$(K)
370 A$(K)=""\Q"+X$+"\"+A$+STR$(Z1+1)+"\"+B$+STR$(Z1)+"\"
390 REM          SUBROUTINE TO PRINT QUESTIONS
420 INPUT C$
505 STOP
600 PRINT:PRINT "ANIMALS I ALREADY KNOW ARE:"
999 END

```

### Guess Battle

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?

I'M THINKING OF A NUMBER BETWEEN 1 AND 2

NOW YOU TRY TO GUESS WHAT IT IS.

? TOO LOW. TRY A BIGGER ANSWER.

TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 2 TRIES.

YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2

VERY GOOD.

> >



```

0 PRINT "### Guess Battle"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
20 INPUT N
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
71 PRINT
99 END
110 D=INT(4*RND(1)+1)
230 M=2
420 A(K+1)=A(K)-1
550 A(1)=A
670 A(K+1)=Z-1
920 A(K+1)=Z1-1
930 B(K+1)=Z2+1
950 F(A,B)=9-2*I-J
1040 PRINT
1052 H(I,J)=F(J,I)
1064 PRINT
1112 H(I,J)=0
1121 L(I)=0
1140 C(3)=1:C(4)=1
1210 PRINT "INVALID INPUT. TRY AGAIN."
1270 PRINT "SPLASH! TRY AGAIN."
1310 PRINT "SPLASH! TRY AGAIN."
1440 PRINT "SPLASH! TRY AGAIN."
1500 PRINT L(1);"DESTROYER(S)";L(2);"CRUISER(S), AND";
1580 PRINT "CONGRATULATIONS -- A DIRECT HIT EVERY TIME."

```

### Guess Bombs

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT? WHAT SIDE -- ITALY<1>, ALLIES<2>, JAPAN<3>,  
GERMANY<4>I'M THINKING OF A NUMBER BETWEEN 1 AND2  
NOW YOU TRY TO GUESS WHAT IT IS.  
? YOUR TARGET -- ALBANIA<1>, GREECE<2>, NORTH AFRICA<3>  
YOUR TARGET -- ALBANIA<1>, GREECE<2>, NORTH AFRICA<3>  
YOUR TARGET -- ALBANIA<1>, GREECE<2>, NORTH AFRICA<3>>

```

0 PRINT "### Guess Bombs"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
10 INPUT "WHAT SIDE -- ITALY(1), ALLIES(2), JAPAN(3), GERMANY(4)";A
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1))+1
20 INPUT N
30 G=G+1
30 INPUT "YOUR TARGET -- ALBANIA(1), GREECE(2), NORTH AFRICA(3)";B
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
50 PRINT "SHOULD BE EASY -- YOU'RE FLYING A NAZI-MADE PLANE."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
71 PRINT
99 END
110 INPUT "AIRCRAFT -- LIBERATOR(1), B-29(2), B-17(3), LANCASTER(4)";G
200 PRINT "YOU'RE FLYING A KAMIKAZE MISSION OVER THE USS LEXINGTON."
280 PRINT
292 PRINT "MISSIONS, NOT MILES..."
325 PRINT "DIRECT HIT!!!! "INT(100*RND(1))"KILLED."
330 PRINT "MISSED TARGET BY"INT(2+30*RND(1))"MILES!"
355 INPUT "WHAT'S THE PERCENT HIT RATE OF ENEMY GUNNERS (10 TO 50)";S
358 PRINT
380 PRINT "* * * * BOOM * * * *"
384 PRINT "YOU HAVE BEEN SHOT DOWN....."
387 PRINT "LAST TRIBUTE..."
390 PRINT:PRINT:PRINT:INPUT "ANOTHER MISSION (Y OR N)";U$
400 PRINT "CHICKEN !!!" : PRINT : END

```

### Guess Chief

GUESS

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?  
I'M THINKING OF A NUMBER BETWEEN 1 AND 2  
NOW YOU TRY TO GUESS WHAT IT IS.  
? ? TOO LOW. TRY A BIGGER ANSWER.  
TOO HIGH. TRY A SMALLER ANSWER.  
SHUT UP, PALE FACE WITH WISE TONGUE.  
YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2  
VERY GOOD.  
MULTIPLY BY 8. DIVIDE BY 5 AND ADD THE SAME. SUBTRACT 1.  
  
?  
?  
? >

```

0 PRINT "### Guess Chief"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
2 PRINT TAB(30) "CHIEF"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
6 PRINT:PRINT:PRINT
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*AND(1)+1)
20 INPUT N
30 G=G+1
30 INPUT A$
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
50 PRINT "SHUT UP, PALE FACE WITH WISE TONGUE."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
70 PRINT "MULTIPLY BY 8. DIVIDE BY 5 AND ADD THE SAME. SUBTRACT 1."
71 PRINT
90 INPUT B
99 END
100 LET C = (B+1-5)*5/8*5-3
110 PRINT "I BET YOUR NUMBER WAS" C". AM I RIGHT";
120 INPUT D$
140 PRINT "WHAT WAS YOUR ORIGINAL NUMBER";
155 LET F=K+3
170 LET H=G*8
180 LET I=H/5+5
190 LET J=I-1
200 PRINT "SO YOU THINK YOU'RE SO SMART, EH?"
210 PRINT "NOW WATCH."
230 PRINT K"PLUS 3 EQUALS"F". THIS DIVIDED BY 5 EQUALS"G";"
250 PRINT "WE GET"I", WHICH, MINUS 1, EQUALS"J"."
295 PRINT "YOU HAVE MADE ME MAD!!!"
300 PRINT "THERE MUST BE A GREAT LIGHTNING BOLT!"
340 PRINT TAB(X) "X X"
360 PRINT TAB(21) "X XXX"
370 PRINT TAB(20) "X   X"
380 PRINT TAB(19) "XX X"
400 PRINT TAB(X) "X X"
420 PRINT TAB(12) "XX"
430 PRINT TAB(11) "X"
440 PRINT TAB(10) "*"
510 PRINT "B/E!!!"
520 END

```

### Guess Football

FOOTBALL  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?

I'M THINKING OF A NUMBER BETWEEN 1 AND 2

NOW YOU TRY TO GUESS WHAT IT IS.

? TOO LOW. TRY A BIGGER ANSWER.

TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 2 TRIES.

YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2

VERY GOOD.

> >

```

0 PRINT "### Guess Football"
1 PRINT TAB(33);"GUESS"
1 PRINT TAB(32);"FOOTBALL"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
20 INPUT N
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
71 PRINT
99 END
100 REM
120 DIM A(20),B(20),C(40),H(2),T(2),W(2),X(2),Y(2),Z(2)
130 DIM M$(2),D(2),P$(20)
220 PRINT "PLAYS THE LESS YARDAGE GAINED. SCORES ARE GIVEN"
223 PRINT "WHENEVER SCORES ARE MADE. SCORES MAY ALSO BE OBTAINED"
250 PRINT "BOTH QUESTIONS IS NO IT WILL BE ASSUMED YOU WANT TO"
350 B(N)=I-20
630 L=L+20:T=2
720 Y(1)=1: Y(2)=-1: Z(1)=0: Z(2)=100
740 T=INT(2*RND(1)+1)
780 K=INT(26*RND(1)+40)
790 P=P-Y(T)*K
830 PRINT "TEAM";T;"DO YOU WANT TO RUNBACK";INPUT A$
890 PRINT: PRINT "TEAM";T;"DOWN";D;"ON";P
898 C=8
901 PRINT TAB(27);10-(Y(T)*P-Y(T)*5);"YARDS TO 1ST DOWN"
936 PRINT "ILLEGAL PLAY NUMBER, CHECK AND"
1380 PRINT "EXTRA POINT GOOD"
1430 K=INT(9*RND(1)+1)
1735 PRINT "BALL WENT WIDE"
1740 PRINT "FIELD GOAL UNSUCCESSFUL TEAM";T;"-----TOO BAD"
1810 PRINT: PRINT "TEAM 1 SCORE IS";H(1)
1850 PRINT

```

### Guess Gunner

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT? GUNNER  
I'M THINKING OF A NUMBER BETWEEN 1 AND 2  
NOW YOU TRY TO GUESS WHAT IT IS.

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
TOO LOW. TRY A BIGGER ANSWER.  
TOO HIGH. TRY A SMALLER ANSWER.  
THAT'S IT! YOU GOT IT IN 2 TRIES.  
YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2  
VERY GOOD.

> > >



```

0 PRINT "### Guess Gunner"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
10 PRINT TAB(30);"GUNNER"
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
20 INPUT N
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
71 PRINT
99 END
130 PRINT "YOU ARE THE OFFICER-IN-CHARGE, GIVING ORDERS TO A GUN"
140 PRINT "CREW, TELLING THEM THE DEGREES OF ELEVATION YOU ESTIMATE"
150 PRINT "WILL PLACE A PROJECTILE ON TARGET. A HIT WITHIN 100 YARDS"
160 PRINT "OF THE TARGET WILL DESTROY IT." : PRINT
170 R=INT(40000*RND(1)+20000)
180 PRINT "MAXIMUM RANGE OF YOUR GUN IS";R;" YARDS."
185 Z=0
190 PRINT
195 S1=0
200 T=INT(R*(.1+.8*RND(1)))
210 S=0
250 PRINT "MAXIMUM ELEVATION IS 89 DEGREES."
270 PRINT "OVER TARGET BY ";ABS(E);"YARDS."
290 PRINT "SHORT OF TARGET BY ";ABS(E);"YARDS."
340 Z=Z+1
370 PRINT "DISTANCE TO THE TARGET IS ";T;" YARDS."
380 PRINT
400 INPUT "ELEVATION";B
444 PRINT:PRINT "BOOM !!!!  YOU HAVE JUST BEEN DESTROYED ";
450 B2=2*B/57.3 : I=R*SIN(B2) : X=T-I : E=INT(X)
490 PRINT : PRINT : PRINT "TOTAL ROUNDS EXPENDED WERE";S1
500 PRINT : INPUT "TRY AGAIN (Y OR N)";Z$
999 END

```

### Guess Hockey

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?

I'M THINKING OF A NUMBER BETWEEN 1 AND 2

NOW YOU TRY TO GUESS WHAT IT IS.

? TOO LOW. TRY A BIGGER ANSWER.

TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 2 TRIES.

YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2

VERY GOOD.

> >

```

0 PRINT "### Guess Hockey"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1))+1
20 INPUT N
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
71 PRINT
99 END
115 PRINT
280 PRINT B$(7) " HAS CONTROL."
460 PRINT " SNAPS A LONG FLIP SHOT"
510 PRINT A$(H(J-2)) " LEADS " A$(H(J-1)) " WITH A PERFECT PASS."
570 PRINT "OH MY GOD!! A ' 4 ON 2 ' SITUATION"
580 PRINT A$(H(J-3)) " LEADS " A$(H(J-2))
610 PRINT "PRETTY PASSING!"
730 PRINT B$(H(J-4)) " GIVES TO " B$(H(J-2)) " WHO SHUFFLES IT OFF TO"
840 PRINT " GETS A BACKHAND OFF"
980 PRINT "SCORE " B$(7);H(8)=H(8)+1
1100 PRINT "GOAL SCORED BY: " B$(G);
1200 S1=INT(6*RND(X))+1
1240 PRINT "CLEARED OUT BY " B$(3)
1330 PRINT "WHISTLES ONE OVER THE HEAD OF " B$(6)
1450 PRINT A$(6) " WHACKS THE LOOSE PUCK INTO THE STANDS"
1470 PRINT "STICK SAVE BY " A$(6) " AND HE CLEARS IT OUT HIMSELF"
1670 PRINT TAB(5);"----";TAB(20);"-----";TAB(35);"-----"
1700 PRINT "SHOTS ON NET":PRINT A$(7)";";S2:PRINT B$(7)";";S3
1900 PRINT "OF YOUR PLAYERS.  THEY ARE ENTERED IN THE ORDER: "

```

### Guess Life

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

ENTER YOUR PATTERN:

?

I'M THINKING OF A NUMBER BETWEEN 1 AND 2

NOW YOU TRY TO GUESS WHAT IT IS.

TOO LOW. TRY A BIGGER ANSWER.

TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 2 TRIES.

YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2

VERY

> > >

```

0 PRINT "### Guess Life"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
6 PRINT: PRINT: PRINT
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
8 PRINT "ENTER YOUR PATTERN:"
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
20 INPUT N
20 C=1
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
60 C=C+1
71 PRINT
80 C=C-1: L=0
99 END
215 X3=24:Y3=70:X4=1: Y4=1: P=0
220 G=G+1
240 PRINT
261 PRINT TAB(Y);"*";
299 X1=X3: X2=X4: Y1=Y3: Y2=Y4
309 P=0
520 C=0

```

### Guess Roulette

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?

I'M THINKING OF A NUMBER BETWEEN 1 AND 2

NOW YOU TRY TO GUESS WHAT IT IS.

? TOO LOW. TRY A BIGGER ANSWER.

TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 2 TRIES.

YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2

VERY GOOD.

> >

```

0 PRINT "### Guess Roulette"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1))+1
20 INPUT N
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
71 PRINT
99 END
1070 PRINT
1080 PRINT "THIS IS THE BETTING LAYOUT"
1090 PRINT "  (*=RED)"
1250 PRINT "-----"
1260 PRINT "      00      0      "
1280 PRINT "TYPES OF BETS"
1310 PRINT "ON THAT NUMBER."
1370 PRINT "  39) 25-36      42) THIRD COLUMN"
1410 PRINT "  44) 19-36      47) RED"
1550 REM-PROGRAM BEGINS HERE
1760 PRINT "YOU MADE THAT BET ONCE ALREADY,DUM-DUM"
1800 PRINT "SPINNING"
1980 PRINT S;A$
2080 STOP
2130 P=P-B(C)
2430 PRINT "YOU WIN";B(C);"DOLLARS ON BET";C
2800 P=P+B(C)*35
2830 PRINT "TOTALS:","ME","YOU"
2860 PRINT "OOPS! YOU JUST SPENT YOUR LAST DOLLAR!"
2930 INPUT Y$
2950 DATA 1,3,5,7,9,12,14,16,18,19,21,23,25,27,30,32,34,36
3080 PRINT P
3150 PRINT
3230 REM
3270 REM      PROGRAM, WE JUST INPUT THE DATE AT THE START
3420 END

```

### Guess Stars

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT? STARS  
I'M THINKING OF A NUMBER BETWEEN 1 AND 2  
NOW YOU TRY TO GUESS WHAT IT IS.  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

TOO LOW. TRY A BIGGER ANSWER.  
TOO HIGH. TRY A SMALLER ANSWER.  
THAT'S IT! YOU GOT IT IN 1 TRIES.  
YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2  
VERY GOOD.

> > >



```

0 PRINT "### Guess Stars"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
10 PRINT TAB(34);"STARS"
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
20 INPUT N
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 G=G+1
30 PRINT:PRINT:PRINT
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
71 PRINT
99 END
100 REM *** STARS - PEOPLE'S COMPUTER CENTER, MENLO PARK, CA
150 A=100:M=7
170 INPUT "DO YOU WANT INSTRUCTIONS";A$
200 REM *** INSTRUCTIONS ON HOW TO PLAY
220 PRINT "TRY TO GUESS MY NUMBER. AFTER YOU GUESS, I"
240 PRINT "STARS I TYPE, THE CLOSER YOU ARE TO MY NUMBER."
250 PRINT "ONE STAR (*) MEANS FAR AWAY, SEVEN STARS (*****)"
270 REM *** COMPUTER THINKS OF A NUMBER
280 PRINT
290 PRINT
300 X=INT(A*RND(1)+1)
310 PRINT "OK, I AM THINKING OF A NUMBER, START GUESSING."
320 REM *** GUESSING BEGINS, HUMAN GETS M GUESSES
340 PRINT
450 PRINT "*";
460 PRINT "*";
470 PRINT "*";
480 PRINT "*";
500 PRINT "*";
510 PRINT "*";
550 PRINT
590 REM *** WE HAVE A WINNER
610 PRINT "*";
630 PRINT:PRINT
640 PRINT "YOU GOT IT IN";K;"GUESSES!!! LET'S PLAY AGAIN..."
660 END

```

### Guess Trek

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?

I'M THINKING OF A NUMBER BETWEEN 1 AND 2

NOW YOU TRY TO GUESS WHAT IT IS.

? \*\*\*\*\*

\*

\*

\*

\*

TOO LOW. TRY A BIGGER ANSWER.

TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 2 TRIES.

YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2

VERY GOOD.

> >

```

0 PRINT "### Guess Trek"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
20 INPUT N
21 PRINT TAB(10);"*****"
23 PRINT TAB(10);"*"
30 G=G+1
31 PRINT TAB(10);"*"
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
71 PRINT
99 END
100 PRINT
110 PRINT"1. WHEN YOU SEE \COMMAND ?\ PRINTED, ENTER ONE OF THE LEGAL"
120 PRINT"      COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX)."
170 PRINT"      TYPE IN ILLEGAL DATA (LIKE NEGATIVE NUMBERS), THAN
COMMAND"
180 PRINT"      WILL BE ABORTED"
300 PRINT"      YOU WILL BE ASSIGNED A STARTING POINT SOMEWHERE IN THE"
310 PRINT"GALAXY TO BEGIN A TOUR OF DUTY AS COMANDER OF THE STARSHIP"
340 PRINT"PLANETS."
390 PRINT"\NAV\ COMMAND = WARP ENGINE CONTROL --"
410 PRINT"      VECTOR ARRANGEMENT AS SHOWN      . . ."
440 PRINT"      WAY BETWEEN 1 AND 2                  ..."
510 PRINT"      FROM QUADRANT 6,5 TO 5,5, YOU WOULD"
530 PRINT
555 PRINT
570 PRINT"      <*> = YOUR STARSHIP'S POSITION"
610 PRINT"      A CONDENSED 'STATUS REPORT' WILL ALSO BE PRESENTED."
680 PRINT"      IS THE NUMBER OF STARS, THE TENS DIGIT IS THE NUMBER
OF"
700 PRINT"      KLINGONS."
720 PRINT"\PHA\ COMMAND = PHASER CONTROL."
730 PRINT"      ALLOWS YOU TO DESTROY THE KLINGON BATTLE CRUISERS BY "
750 PRINT"      DEplete THEIR SHIELD POWER. (REMBER, KLINGONS HAVE"
770 PRINT
790 PRINT"      TORPEDO COURSE IS THE SAME AS USED IN WARP ENGINE
CONTROL"
830 PRINT
910 PRINT"\DAM\ COMMAND = DAMAGE CONTROL REPORT"
930 PRINT"      'STATE OF REPAIR' SHOWS THAT THE DEVICE IS TEMPORARILY"
1030 PRINT"      AND STARBASES REMAINING IN THE GAME."
1080 PRINT"      THIS OPTION GIVES DIRECTION AND DISTANCE TO ANY "
1990 REM POKE 1229,0:POKE 1237,1:NULL 0
2000 REM PRINT:PRINT:PRINT
2040 REM PRINT "TURN CASSETTE PLAYER OFF AND "
2050 REM PRINT "TYPE 'RUN' WHEN COMPUTER PRINTS 'OK'"

```

### Guess Word

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
THIS IS A NUMBER GUESSING GAME. I'LL THINK

WHAT LIMIT DO YOU WANT?  
I'M THINKING OF A NUMBER BETWEEN 1 AND2  
NOW YOU TRY TO GUESS WHAT IT IS.  
CLUES TO HELP YOU GET IT. GOOD LUCK!!

YOU ARE STARTING A NEW GAME...  
TOO LOW. TRY A BIGGER ANSWER.  
> > >

```

0 PRINT "### Guess Word"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
3 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
5 DIM S(7),A(7),L(7),D(7),P(7)
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
15 PRINT "CLUES TO HELP YOU GET IT. GOOD LUCK!!": PRINT: PRINT
20 INPUT N
20 REM
30 G=G+1
30 PRINT: PRINT: PRINT "YOU ARE STARTING A NEW GAME..."
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
35 RESTORE
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
71 PRINT
90 G=0
95 S(0)=LEN(S$)
99 END
144 P(J)=0
150 PRINT "GUESS A FIVE LETTER WORD";
175 L(0)=LEN(L$)
205 M=0: Q=1
231 P(0)=L(J)
232 Q=Q+1
240 A(J)=L(J)
250 M=M+1
272 P(0)=M
289 PRINT
310 PRINT "THE SECRET WORD IS ";S$: PRINT
400 PRINT "YOU MUST GUESS A 5 LETTER WORD. START AGAIN."
530 DATA 12,"DINKY","SMOKE","WATER","GRASS","TRAIN","MIGHT","FIRST"
540 DATA "CANDY","CHAMP","WOULD","CLUMP","DOPEY"
999 END

```

### Hammurabi Target

CREATIVE COMPUTING      TARGET  
MORRISTOWN, NEW JERSEY

TRY YOUR HAND AT GOVERNING ANCIENT SUMERIA  
YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE  
AND THIS IS A TEST TO SEE HOW ACCURATE A SHOT YOU  
ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD  
OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,  
THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z  
AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET.  
DESTROYED!

GOOD LUCK!!

IN YEAR> > > >

```

0 PRINT "### Hammurabi Target"
10 PRINT TAB(32);"HAMURABI"
10 PRINT TAB(33);"TARGET"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT: PRINT: PRINT
80 PRINT "TRY YOUR HAND AT GOVERNING ANCIENT SUMERIA"
100 Z=0: P=95:S=2800: H=3000: E=H-5
100 R=1: R1=57.296: P=3.14159
110 Y=3: A=H/Y: I=5: Q=1
110 PRINT "YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE"
120 PRINT "AND THIS IS A TEST TO SEE HOW ACCURATE A SHOT YOU"
130 PRINT "ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD"
150 PRINT "OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,"
160 PRINT "THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z"
170 PRINT "AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET."
190 PRINT "DESTROYED!": PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
217 PRINT "IN YEAR";Z;";";D;"PEOPLE STARVED,";I;"CAME TO THE CITY,"
218 P=P+I
220 A=2*PI*P: B=2*PI*P: Q=INT(A/R1): W=INT(B/R1)
260 PRINT "RADIANS FROM X AXIS =";A; " FROM Z AXIS =";B
280 P1=100000*P: X=SIN(B)*COS(A)*P1: Y=SIN(B)*SIN(A)*P1
290 Z=Z+P1
312 PRINT "LAND IS TRADING AT";Y;"BUSHELS PER ACRE."
331 A=A+Q: S=S-Y*Q: C=0
340 PRINT "HOW MANY ACRES DO YOU WISH TO SELL";
375 P3=P1
390 PRINT " ESTIMATED DISTANCE:";P3
405 INPUT A1,B1,P2
420 A1=A1/R1: B1=B1/R1: PRINT "RADIANS FROM X AXIS =";A1; " ";
425 PRINT "FROM Z AXIS =";B1
440 PRINT "HOW MANY ACRES DO YOU WISH TO PLANT WITH SEED";
444 REM *** TRYING TO PLANT MORE ACRES THAN YOU OWN?
510 S=S-INT(D/2)
510 D=((X1-X)^2+(Y1-Y)^2+(Z1-Z)^2)^(1/2)
525 E=INT(S/C)
530 S=S-E+H
530 PRINT: PRINT " * * * HIT * * * TARGET IS NON-FUNCTIONAL": PRINT
532 REM *** LET'S HAVE SOME BABIES
533 I=INT(C*(20*A+S)/P/100+1)
539 REM *** HOW MANY PEOPLE HAD FULL TUMMIES?
550 PRINT "DISTANCE OF EXPLOSION FROM TARGET WAS";D;"KILOMETERS."
553 P1=((Z-1)*P1+D*100/P)/2
565 PRINT "DUE TO THIS EXTREME MISMANAGEMENT YOU HAVE NOT ONLY"
566 PRINT "BEEN IMPEACHED AND THROWN OUT OF OFFICE BUT YOU HAVE"
710 PRINT "HAMURABI: THINK AGAIN. YOU HAVE ONLY"
730 PRINT "SHOT BEHIND TARGET";-X2;"KILOMETERS."
770 PRINT "SHOT TO RIGHT OF TARGET";-Y2;"KILOMETERS."
810 PRINT "SHOT BELOW TARGET";-Z2;"KILOMETERS."
820 PRINT "APPROX POSITION OF EXPLOSION: X=";X1; " Y=";Y1; " Z=";Z1
855 PRINT "GET YOURSELF ANOTHER STEWARD!!!!"
999 END

```

\*\*\* Hangman Bowling

HANGMAN

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

HERE ARE THE LETTERS YOU USED:

WHAT IS YOUR GUESSWELCOME TO THE ALLEY

SORRY, THAT LETTER ISN'T IN THE WORD.

HERE'S THE OTHER FOOT -- YOU'RE HUNG!!

? BYE NOW

ON THE PIN DIAGRAM 'O' MEANS THE PIN IS DOWN... '+' MEANS THE  
SCORES .

FIRST OF ALL...HOW MANY ARE PLAYING? PLAYER:

>



```

0 PRINT "### Hangman Bowling"
10 PRINT TAB(32);"HANGMAN"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 DIM P$(12,12),L$(20),D$(20),N$(26),U(50)
170 PRINT "HERE ARE THE LETTERS YOU USED:"
210 INPUT "WHAT IS YOUR GUESS";G$: R=0
360 PRINT "WELCOME TO THE ALLEY"
400 PRINT: PRINT: PRINT"SORRY, THAT LETTER ISN'T IN THE WORD."
460 PRINT "HERE'S THE OTHER FOOT -- YOU'RE HUNG!!"
570 P$(12,3)="-": P$(12,4)="/"
730 DATA "BUDGET","SPIRIT","QUINT","MAIDEN","ESCORT","PICKAX"
750 DATA "TRIANGLE","KANGAROO","MAHOGANY","SERGEANT","SEQUENCE"
770 DATA "MAGISTRATE","ERRONEOUSLY","LOUDSPEAKER","PHYTOTOXIC"
810 INPUT Z$
990 PRINT "BYE NOW"
1260 PRINT "ON THE PIN DIAGRAM 'O' MEANS THE PIN IS DOWN...'+' MEANS THE"
1440 PRINT "SCORES ."
1530 PRINT "FIRST OF ALL...HOW MANY ARE PLAYING";
1620 INPUT R
2790 K=0: D=0
3510 REM ARK PIN DIAGRAM
3600 PRINT "PLAYER:"P;"FRAME:"F"BALL:"B
4320 PRINT TAB(1);"O ";
5580 PRINT "SPARE!!!!"
5670 Q=2
5850 PRINT "ERROR!!!"
6390 A(F+P,B)=D
6570 B=2
6840 A(F+P,B)=D-M
7650 PRINT
8280 PRINT
8730 END

```

\*\*\* Hello King

HELLO

WHAT'S YOUR NAME

DETINU, A SMALL COMMUNIST ISLAND 30 BY 70 MILES LONG. YOUR  
HI THERE, 2, ARE YOU ENJOYING YOURSELF HERESQUARE MILE TO PLANT.  
YOUR GOAL IS TO COMPLETE YOUR8YEAR TERM OF OFFICE.  
BRIGHTEN UP YOUR VISIT A BIT.

SAY, 2, I CAN SOLVE ALL KINDS OF PROBLEMS EXCEPT  
YOU HAVE (ANSWER SEX, HEALTH, MONEY, OR JOB)?  
OH, 2, YOUR ANSWER OF 3 IS GREEK TO ME.  
LAND CURRENTLY COSTS> >

```

0 PRINT "### Hello King"
2 PRINT TAB(33);"HELLO"
6 N5=8
20 PRINT: PRINT: INPUT "WHAT'S YOUR NAME";N$: PRINT
22 PRINT "DETINU, A SMALL COMMUNIST ISLAND 30 BY 70 MILES LONG. YOUR"
30 PRINT "HI THERE, ";N$;", ARE YOU ENJOYING YOURSELF HERE";
42 PRINT "SQUARE MILE TO PLANT."
44 PRINT "YOUR GOAL IS TO COMPLETE YOUR";N5;"YEAR TERM OF OFFICE."
85 PRINT "BRIGHTEN UP YOUR VISIT A BIT."
100 PRINT
102 PRINT
105 PRINT "SAY, ";N$;", I CAN SOLVE ALL KINDS OF PROBLEMS EXCEPT"
120 PRINT "YOU HAVE (ANSWER SEX, HEALTH, MONEY, OR JOB)";
125 INPUT C$
126 PRINT
138 PRINT "OH, ";N$;", YOUR ANSWER OF ";C$;" IS GREEK TO ME."
155 PRINT "LAND CURRENTLY COSTS";V9;"RALLODS PER SQUARE MILE TO PLANT."
160 PRINT "SORRY, ";N$;", I'M BROKE TOO. WHY DON'T YOU SELL"
200 INPUT "IS YOUR PROBLEM TOO MUCH OR TOO LITTLE";D$: PRINT
215 PRINT "DON'T GET ALL SHOOK, ";N$;", JUST ANSWER THE QUESTION"
230 PRINT "*** THINK AGAIN. YOU ONLY HAVE";D-1000;"SQUARE MILES OF FARM
LAND."
235 PRINT "IN TOKYO OR NEW YORK OR AMSTERDAM OR SOMEPLACE WITH SOME"
255 PRINT "ANY MORE PROBLEMS YOU WANT SOLVED, ";N$;
275 PRINT "JUST A SIMPLE 'YES' OR 'NO' PLEASE, ";N$;".
300 PRINT
315 PRINT "DID YOU LEAVE THE MONEY";
335 PRINT "YOUR ANSWER OF ";G$;" CONFUSES ME, ";N$;".
360 PRINT:PRINT "WHAT A RIP OFF, ";N$;"!!!":PRINT
380 PRINT "DON'T PAY THEIR BILLS?"
390 PRINT "NICE MEETING YOU, ";N$;", HAVE A NICE DAY."
400 REM
400 A=INT(A-I)
430 U1=INT(J*V9)
510 PRINT "HOW MANY RALLODS DO YOU WISH TO SPEND ON POLLUTION CONTROL";
520 INPUT K
540 PRINT "    THINK AGAIN. YOU ONLY HAVE ";A;" RALLODS REMAINING."
999 END
1174 B5=INT(F1+(B-(I/100)))
1187 PRINT "    INSUFFICIENT RESERVES TO COVER COST - LAND WAS SOLD"
1360 PRINT "INCREASED ";
1480 PRINT "HOTELS ARE LOOKING SHABBY DUE TO SMOG GRIT."
1576 PRINT "RESIDING IN PRISON."
1622 M6=INT(RND(1)*10)
1690 PRINT "HAVE ALSO BEEN DECLARED NATIONAL FINK."
1700 PRINT
1976 INPUT B
1980 PRINT "HOW MANY WORKERS";
2020 B5=0

```

### High Lunar  
HERE IS THE BOARD:

!	!	!
13	14	15
!	!	!
67	68	69

TO SAVE TYPING TIME, A COMPRESSED VERSION OF THE GAME BOARD

LANDING CAPSULE.

THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY  
XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY.

SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN  
0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND.  
SET NEW BURN RATE EVERY 10 SECONDS.

GOOD LUCK

> > > >

```

0 PRINT "### High Lunar"
4 DIM B(70),T(9,9)
5 PRINT "HERE IS THE BOARD:": PRINT
6 PRINT "          !      !      !"
7 PRINT "          13    14    15": PRINT
8 PRINT "          !      !      !"
9 PRINT "          67    68    69": PRINT
20 PRINT "TO SAVE TYPING TIME, A COMPRESSED VERSION OF THE GAME BOARD"
25 PRINT:PRINT:PRINT
40 PRINT "LANDING CAPSULE.": PRINT: PRINT
50 PRINT "THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY"
60 PRINT "XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY."
70 PRINT: PRINT "SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN"
80 PRINT "0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND."
90 PRINT "SET NEW BURN RATE EVERY 10 SECONDS.": PRINT
110 PRINT: PRINT: PRINT: PRINT "GOOD LUCK"
120 L=0
140 INPUT "TO WHERE":P
140 A=120:V=1:M=33000:N=16500:G=1E-03:Z=1.8
190 S=(M-N)/K
240 PRINT "FUEL OUT AT";L;"SECONDS":S=(-V+SQR(V*V+2*A*G))/G
250 V=V+G*S: L=L+S
260 W=3600*V: PRINT "ON MOON AT";L;"SECONDS - IMPACT VELOCITY";W;"MPH"
284 PRINT "CRAFT DAMAGE... YOU'RE STRANDED HERE UNTIL A RESCUE"
300 PRINT "SORRY THERE WERE NO SURVIVORS. YOU BLOW IT!"
310 PRINT "IN FACT, YOU BLASTED A NEW LUNAR CRATER";W*.227;"FEET DEEP!"
350 D=V+SQR(V*V+2*A*(G-Z*K/M)):S=2*A/D
620 PRINT
1090 T(X+2,Y)=5: T(X+1,Y)=0: B(C+9)=-3
1140 T(X,Y-2)=5: T(X,Y-1)=0: B(C-1)=-3
1220 C=C+1
1569 T=0
1613 PRINT "SAVE THIS PAPER AS A RECORD OF YOUR ACCOMPLISHMENT!"
2010 END

```

### Hockey Guess

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?

I'M THINKING OF A NUMBER BETWEEN 1 AND 2

NOW YOU TRY TO GUESS WHAT IT IS.

? TOO LOW. TRY A BIGGER ANSWER.

TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 2 TRIES.

YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2

VERY GOOD.

> >

```

0 PRINT "### Hockey Guess"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(33);"HOCKEY"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*AND(1)+1)
20 INPUT N
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
71 PRINT
99 END
100 PRINT "ENTER THE TWO TEAMS";INPUT A$(7),B$(7)
115 PRINT
720 PRINT " A ' 3 ON 2 ' WITH A ' TRAILER '!"
730 PRINT B$(H(J-4)) " GIVES TO " B$(H(J-2)) " WHO SHUFFLES IT OFF TO"
740 PRINT B$(H(J-1)) " WHO FIRES A WING TO WING PASS TO "
800 PRINT " LET'S A BIG SLAP SHOT GO!!"
980 PRINT "SCORE " B$(7);H(8)=H(8)+1
1020 PRINT B$(7);";";H(8),A$(7);";";H(9)
1240 PRINT "CLEARED OUT BY " B$(3)
1410 PRINT "OH MY GOD!! " B$(6) " RATTLES ONE OFF THE POST"
1490 PRINT "KICKED OUT BY " A$(6)
1520 PRINT "GLOVE SAVE " A$(6) " AND HE HANGS ON"
1600 PRINT TAB(25);A$(7)
1620 PRINT TAB(5);"----";TAB(20);"----";TAB(35);"-----"
1830 PRINT " THE AREA YOU ARE AIMING AT. ENTER:"
1920 PRINT "RIGHT DEFENSE, GOALKEEPER. ANY OTHER INPUT REQUIRED WILL"

```

### Hockey War

HOCKEY  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS THE CARD GAME OF WAR. EACH CARD IS GIVEN BY SUIT-#  
DO YOU WANT DIRECTIONS

THE COMPUTER GIVES YOU AND IT A 'CARD'. THE HIGHER CARD  
(NUMERICALLY) WINS. THE GAME ENDS WHEN YOU CHOOSE NOT TO  
CONTINUE OR WHEN YOU HAVE FINISHED THE PACK.

> > > >



```

0 PRINT "### Hockey War"
2 PRINT TAB(33);"HOCKEY"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT: PRINT: PRINT
100 PRINT "THIS IS THE CARD GAME OF WAR. EACH CARD IS GIVEN BY SUIT-#"
120 PRINT "DO YOU WANT DIRECTIONS";
135 PRINT
155 PRINT
180 PRINT:PRINT TAB(10);A$(7) " STARTING LINEUP"
180 PRINT "THE COMPUTER GIVES YOU AND IT A 'CARD'. THE HIGHER CARD"
190 PRINT "(NUMERICALLY) WINS. THE GAME ENDS WHEN YOU CHOOSE NOT TO"
200 PRINT "CONTINUE OR WHEN YOU HAVE FINISHED THE PACK."
210 PRINT
220 PRINT
270 REM
370 M1=L(P)
380 PRINT A$(H(J-1));G=H(J-1):G1=0:G2=0
380 P=P+1
390 M2=L(P)
400 PRINT " LET'S A BOOMER GO FROM THE RED LINE!!"
430 N1=INT((M1-.5)/4)
440 N2=INT((M2-.5)/4)
460 PRINT " SNAPS A LONG FLIP SHOT"
470 PRINT "THE COMPUTER WINS!!! YOU HAVE";B1;"AND THE COMPUTER HAS";A1
510 PRINT A$(H(J-2)) " LEADS " A$(H(J-1)) " WITH A PERFECT PASS."
530 PRINT "TIE. NO SCORE CHANGE."
610 PRINT
640 PRINT " THE COMPUTER: ";A1:PRINT
655 PRINT
670 DATA "S-4","H-4","C-4","D-4","S-5","H-5","C-5","D-5"
690 PRINT B$(H(J-2)) " GIVES OFF TO " B$(H(J-1))
690 DATA "S-8","H-8","C-8","D-8","S-9","H-9","C-9","D-9"
710 DATA "S-Q","H-Q","C-Q","D-Q","S-K","H-K","C-K","D-K"
720 PRINT " A 3 ON 2 WITH A ' TRAILER '!"
720 DATA "S-A","H-A","C-A","D-A"
999 END
1020 PRINT B$(7);";";H(8);A$(7);";";H(9)
1300 PRINT "PAD SAVE BY " B$(6) " OFF THE STICK"
1350 PRINT B$(6) " MAKES A FACE SAVE!! AND HE IS HURT"
1410 PRINT "OH MY GOD!! " B$(6) " RATTLES ONE OFF THE POST"
1470 PRINT "STICK SAVE BY " A$(6) " AND HE CLEARS IT OUT HIMSELF"
1590 PRINT: PRINT TAB(10);"SCORING SUMMARY":PRINT
1710 END
1740 PRINT "PASS TYPE IN THE NUMBER OF PASSES YOU WOULD"
1750 PRINT " LIKE TO MAKE, FROM 0 TO 3."
1760 PRINT "SHOT TYPE THE NUMBER CORRESPONDING TO THE SHOT"
1820 PRINT "AREA TYPE IN THE NUMBER CORRESPONDING TO"
1900 PRINT "OF YOUR PLAYERS. THEY ARE ENTERED IN THE ORDER: "
1930 PRINT "HAVE EXPLANATORY INSTRUCTIONS."

```

### Horserace Bug

THE GAME BUG

? CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

2

DURING THE RACE, A HORSE WILL BE SHOWN BY ITS

WHEN ? APPEARS,TYPE NAME

YOU DO NOT HAVE A NECK.

? YOU CAN'T DO THAT!

I NOW GIVE YOU A FEELER.

> >

```

0 PRINT "### Horserace Bug"
30 PRINT:PRINT:PRINT
60 PRINT "THE GAME BUG"
100 INPUT Z$
110 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
230 PRINT "2","NECK","1"
280 PRINT
290 PRINT "DURING THE RACE, A HORSE WILL BE SHOWN BY ITS"
340 PRINT "WHEN ? APPEARS,TYPE NAME"
380 B=1
420 LET R=0
610 PRINT "YOU DO NOT HAVE A NECK."
640 INPUT Q(J),P(J)
670 PRINT" YOU CAN'T DO THAT!"
680 PRINT "I NOW GIVE YOU A FEELER."
740 LET M=I
750 LET M(I)=M
760 PRINT "5=TAIL"
780 LET S=INT(R/D(I)+.5)
840 LET Y(M(I))=7
860 LET Y(M(I))=1
900 LET Y(M(I))=3
920 LET Y(M(I))=4
1020 LET I=1
1040 P=1
1060 LET H=M(I)
1070 LET M(I)=M(I+1)
1120 Q=1
1130 C=0
1240 PRINT "XXXXFINISHXXXX";
1360 PRINT W$(J);" WINS $";(R/D(N))*P(J)
1374 INPUT "YES OR NO"; O$
1750 PRINT "*****YOUR BUG*****"
2020 PRINT TAB(5);
2170 PRINT TAB(10);
2190 PRINT "F ";
2260 PRINT "          N N"
2290 PRINT "          BBBBBBBBBBBBB"
2340 PRINT "TTTTTB          B"
2400 PRINT " L";
2420 PRINT

```

\*\*\* Hurkle Flip

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

0 0 0 0 0 0 0 0 0 0

BY TYPING THE NUMBER CORRESPONDING TO THE POSITION OF THE  
OTHERS, TWO WILL CHANGE. TO RESET LINE TO ALL X'S, TYPE 0

HERE IS THE STARTING LINE OF X'S.

1 2 3 4 5 6 7 8 9 10

AND ANY POINT ON THE GRID IS DESIGNATED BY A  
PAIR OF WHOLE NUMBERS SEPERATED BY A COMMA. THE FIRST  
NUMBER IS THE HORIZONTAL POSITION AND THE SECOND NUMBER  
IS THE VERTICAL POSITION. YOU MUST TRY TO

AFTER EACH TRY, I WILL TELL YOU THE APPROXIMATE

> > > >

```

0 PRINT "### Hurkle Flip"
4 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
6 PRINT
10 REM *** CREATED BY MICHAEL CASS
15 DIM A$(20)
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 PRINT
50 PRINT
70 PRINT
80 PRINT "0 0 0 0 0 0 0 0 0 0"
100 PRINT "BY TYPING THE NUMBER CORRESPONDING TO THE POSITION OF THE"
120 G=10
120 PRINT "OTHERS, TWO WILL CHANGE.  TO RESET LINE TO ALL X'S, TYPE 0"
170 PRINT
180 REM
200 PRINT "HERE IS THE STARTING LINE OF X'S."
210 PRINT
220 PRINT "A HURKLE IS HIDING ON A";G;"B";G;"GRID. HOMEBASE"
220 C=0
230 PRINT "1 2 3 4 5 6 7 8 9 10"
235 PRINT "AND ANY POINT ON THE GRID IS DESIGNATED BY A"
240 PRINT "PAIR OF WHOLE NUMBERS SEPERATED BY A COMMA. THE FIRST"
245 PRINT "NUMBER IS THE HORIZONTAL POSITION AND THE SECOND NUMBER"
246 PRINT "IS THE VERTICAL POSITION. YOU MUST TRY TO"
250 PRINT "GUESS THE HURKLE'S GRIDPOINT. YOU GET";N;"TRIES."
250 PRINT
260 PRINT "AFTER EACH TRY, I WILL TELL YOU THE APPROXIMATE"
280 PRINT
286 B=INT(G*AND(1))
320 PRINT "GUESS #";K;
320 PRINT "INPUT THE NUMBER";
330 INPUT X,Y
330 INPUT N
350 REM PRINT INFO
370 PRINT
390 M=N
420 PRINT "SORRY, THAT'S";N;"GUESSES."
430 PRINT "THE HURKLE IS AT ";A;",";B
430 N=R-INT(R)
440 PRINT
460 PRINT
500 REM
510 PRINT
520 PRINT "YOU FOUND HIM IN";K;"GUESSES!"
520 A$(N)="0"
540 N=R-INT(R)
570 A$(N)="0"
610 PRINT "1 2 3 4 5 6 7 8 9 10"
630 C=C+1
640 PRINT "SOUTH";
690 PRINT "WEST";
690 PRINT "VERY GOOD.  YOU GUESSED IT IN ONLY";C;"GUESSES."
710 PRINT "EAST";
720 PRINT
720 PRINT "DO YOU WANT TO TRY ANOTHER PUZZLE";
760 PRINT
780 END
999 END

```

### Hurkle Orbit

ORBIT  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

HURKLE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN  
YOU ARE UNABLE TO SEE THEM, BUT WITH A SPECIAL  
ANGLE (BETWEEN 0 AND 360) AND A DISTANCE IN UNITS OF  
DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN.  
WILL DESTROY IT.

```

          90
    000000000000000000000000
      000000          000000
        00000          00000
          00000      XXXXXXXXXXXXX      00000
          00000      XXXXXXXXXXXXXXXXX      00000
          0000      XXXXXXXXXXXXXXXXXXXXX      0000
          0000      XXXXXXXXXXXXXXXXXXXXXXXXX      0000
          0000      XXXXXXXXXXXXXXXXXXXXXXXXXXXXX      0000
180<== 00000      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX      00000 ==>0
          0000      XXXXXXXXXXXXXXXXXXXXXXXXX      0000
          00000      XXXXXXXXXXXXXXXXX      00000
                000000000000000000000000

```

AND ORBITAL RATE WILL REMAIN CONSTANT.  
ON THE GRID IS POINT 0,0 IN THE SOUTHWEST CORNER,  
NUMBER IS THE HORIZONTAL POSITION AND THE SECOND NUMBER  
IS THE VERTICAL POSITION. YOU MUST TRY TO  
GUESS THE HURKLE'S GRIDPOINT. YOU GET> > > >

```

0 PRINT "### Hurkle Orbit"
2 PRINT TAB(33);"ORBIT"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT:PRINT:PRINT
10 PRINT TAB(33);"HURKLE"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
30 PRINT "10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN"
35 PRINT
45 PRINT "YOU ARE UNABLE TO SEE THEM, BUT WITH A SPECIAL"
70 PRINT
90 PRINT "ANGLE (BETWEEN 0 AND 360) AND A DISTANCE IN UNITS OF"
100 PRINT "DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN."
105 PRINT
111 PRINT "WILL DESTROY IT."
120 G=10
168 PRINT "
171 PRINT "
172 PRINT "
173 PRINT "
174 PRINT "
175 PRINT "
176 PRINT "
177 PRINT "
179 PRINT "180<== 00000
182 PRINT "
183 PRINT "
187 PRINT "
210 PRINT
210 PRINT "AND ORBITAL RATE WILL REMAIN CONSTANT."
230 PRINT "ON THE GRID IS POINT 0,0 IN THE SOUTHWEST CORNER,"
245 PRINT "NUMBER IS THE HORIZONTAL POSITION AND THE SECOND NUMBER"
246 PRINT "IS THE VERTICAL POSITION. YOU MUST TRY TO"
250 PRINT "GUESS THE HURKLE'S GRIDPOINT. YOU GET";N;"TRIES."
260 PRINT "AFTER EACH TRY, I WILL TELL YOU THE APPROXIMATE"
280 PRINT
290 R=INT(20*RND(1)+10)
320 PRINT "GUESS #";K;
325 PRINT
330 INPUT X,Y
330 PRINT "THIS IS HOUR";H;," AT WHAT ANGLE DO YOU WISH TO SEND"
335 PRINT "YOUR PHOTON BOMB";
365 PRINT
370 PRINT
390 A=A-360
400 T=ABS(A-A1)
410 PRINT
420 PRINT "SORRY, THAT'S";N;"GUESSES."
420 T=360-T
430 PRINT "THE HURKLE IS AT ";A;",";B
440 PRINT
440 PRINT "YOUR PHOTON BOMB EXPLODED";C;"*10^2 MILES FROM THE"
450 PRINT "LET'S PLAY AGAIN, HURKLE IS HIDING."
500 REM
500 PRINT "ANOTHER ROMULAN SHIP HAS GONE INTO ORBIT."
510 PRINT
520 INPUT C$
540 PRINT "GOOD BYE."
610 PRINT "GO ";
640 PRINT "SOUTH";
660 PRINT "NORTH";
710 PRINT "EAST";
720 PRINT
999 END
999 END

```

\*\*\* Hurtle Rocket

ROCKET  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

YOU ARE LANDING ON THE MOON AND HAVE TAKEN OVER MANUAL  
CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-  
WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN.  
HERE ARE THE RULES THAT GOVERN YOUR APOLLO SPACE-CRAFT:

PAIR OF WHOLE NUMBERS SEPERATED BY A COMMA. THE FIRST  
IS THE VERTICAL POSITION. YOU MUST TRY TO  
GUESS THE HURKLE'S GRIDPOINT. YOU GET 5 TRIES.  
(2) AFTER THE REPORT A '?' WILL APPEAR. ENTER THE NUMBER

OR 30 UNITS OF FUEL PER SECOND.  
(4) WHEN YOU CONTACT THE LUNAR SURFACE. YOUR DESCENT ENGINE  
REPORT OF YOUR LANDING SPEED AND REMAINING FUEL.

YOU CONTACT THE LUNAR SURFACE.

BEGINNING LANDING PROCEDURE.....

THE HURKLE IS AT > > > >



```

0 PRINT "### Hurkle Rocket"
10 PRINT TAB(33);"HURKLE"
10 PRINT TAB(30);"ROCKET"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
110 N=5
120 G=10
160 PRINT
200 PRINT"YOU ARE LANDING ON THE MOON AND AND HAVE TAKEN OVER MANUAL"
210 PRINT
210 PRINT"CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-"
220 PRINT "A HURKLE IS HIDING ON A";G;"BY";G;"GRID. HOMEBASE"
220 PRINT"WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN."
230 PRINT "ON THE GRID IS POINT 0,0 IN THE SOUTHWEST CORNER,"
230 PRINT"HERE ARE THE RULES THAT GOVERN YOUR APOLLO SPACE-CRAFT:":
PRINT
240 PRINT "PAIR OF WHOLE NUMBERS SEPERATED BY A COMMA. THE FIRST"
246 PRINT "IS THE VERTICAL POSITION. YOU MUST TRY TO"
250 PRINT "GUESS THE HURKLE'S GRIDPOINT. YOU GET";N;"TRIES."
260 PRINT "AFTER EACH TRY, I WILL TELL YOU THE APPROXIMATE"
260 PRINT"(2) AFTER THE REPORT A '?' WILL APPEAR. ENTER THE NUMBER"
280 PRINT
286 B=INT(G*AND(1))
320 PRINT "GUESS #";K;
320 PRINT" OR 30 UNITS OF FUEL PER SECOND."
330 INPUT X,Y
330 PRINT"(4) WHEN YOU CONTACT THE LUNAR SURFACE. YOUR DESCENT ENGINE"
350 REM PRINT INFO
350 PRINT" REPORT OF YOUR LANDING SPEED AND REMAINING FUEL."
370 PRINT
380 PRINT" YOU CONTACT THE LUNAR SURFACE.":PRINT
390 PRINT"BEGINNING LANDING PROCEDURE.....":PRINT
410 PRINT
420 PRINT:PRINT
430 PRINT "THE HURKLE IS AT ";A;",";B
440 PRINT
450 PRINT "LET'S PLAY AGAIN, HURKLE IS HIDING."
455 T=0:H=1000:V=50:F=150
460 PRINT
500 INPUT B
510 PRINT
520 PRINT "YOU FOUND HIM IN";K;"GUESSES!"
540 V1=V-B+5
560 F=F-B
590 T=T+1
600 V=V1
620 PRINT"**** OUT OF FUEL ****"
640 PRINT "SOUTH";
640 PRINT T;TAB(4);H;TAB(12);V;TAB(20);F;TAB(29);"I";TAB(H/12+29);"★"
650 B=0
660 PRINT "NORTH";
680 H=H+ .5*(V1+V)
690 PRINT "WEST";
710 PRINT "EAST";
730 V1=V+(5-B)*D
760 PRINT"TOUCHDOWN AT";T+D;"SECONDS."
800 PRINT"CONGRATULATIONS! A PERFECT LANDING!!"
805 PRINT"YOUR LICENSE WILL BE RENEWED.....LATER."
820 PRINT"***** SORRY, BUT YOU BLEW IT!!!!"
840 PRINT:PRINT:PRINT
850 INPUT "ANOTHER MISSION";A$
870 PRINT: PRINT "CONTROL OUT.": PRINT
999 END

```

### IQ Guess

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?  
I'M THINKING OF A NUMBER BETWEEN 1 AND 2  
NOW YOU TRY TO GUESS WHAT IT IS.

! ! !  
? TOO LOW. TRY A BIGGER ANSWER.  
> >

```

0 PRINT "### IQ Guess"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT "          13   14   15": PRINT
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT "!    !    !    !    !    !"
10 PRINT
11 PRINT "29   30   31   32   33   34   35": PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
18 PRINT "          !    !    !"
20 INPUT N
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
35 T(R,C)=-5
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
42 T(R,C)=5
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
70 REM *** INPUT MOVE AND CHECK ON LEGALITY
71 PRINT
99 END
140 INPUT "TO WHERE";P
500 REM *** PRINT BOARD
620 PRINT
1090 T(X+2,Y)=5: T(X+1,Y)=0: B(C+9)=-3
1200 B(Z)=-3: B(P)=-7
1535 F=F+1
1600 REM *** GAME IS OVER

```

### IQ Hammurabi  
                  CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
                  !  
                  13 14 15

!    !    !    !    !    !    !  
38   39   40   41   42   43   44  
47   48   49   50   51   52   53

                  CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

HAMURABI: I BEG TO REPORT TO YOU,  
> > > >

```

0 PRINT "### IQ Hammurabi"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT "          !      !      !"
7 PRINT "          13    14    15": PRINT
10 PRINT "!      !      !      !      !"
13 PRINT "38    39    40    41    42    43    44": PRINT
15 PRINT "47    48    49    50    51    52    53": PRINT
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
81 DATA 42,43,44,47,48,49,50,51,52,53,58,59,60,67,68,69
215 PRINT:PRINT:PRINT "HAMURABI: I BEG TO REPORT TO YOU,": Z=Z+1
229 PRINT "A HORRIBLE PLAGUE STRUCK! HALF THE PEOPLE DIED."
340 PRINT "HOW MANY ACRES DO YOU WISH TO SELL";
400 PRINT
418 REM *** TRYING TO USE MORE GRAIN THAN IS IN SILOS?
454 REM *** ENOUGH PEOPLE TO TEND THE CROPS?
500 REM *** PRINT BOARD
523 REM *** RATS ARE RUNNING WILD!!
525 E=INT(S/C)
539 REM *** HOW MANY PEOPLE HAD FULL TUMMIES?
540 C=INT(Q/20)
541 REM *** HORROS, A 15% CHANCE OF PLAGUE
560 PRINT: PRINT "YOU STARVED";D;"PEOPLE IN ONE YEAR!!!"
600 PRINT TAB(X*2);"0";
610 REM
855 PRINT "GET YOURSELF ANOTHER STEWARD!!!"
862 PRINT "POPULATION STARVED PER YEAR ON THE AVERAGE, I.E. A TOTAL OF"
870 PRINT "YOU STARTED WITH 10 ACRES PER PERSON AND ENDED WITH"
945 PRINT "THE PEOPLE (REMIANING) FIND YOU AN UNPLEASANT RULER, AND,"
970 PRINT "WOULD DEARLY LIKE TO SEE YOU ASSASSINATED BUT WE ALL HAVE
OUR"
1180 T(X-2,Y)=5: T(X-1,Y)=0: B(C-9)=-3
1220 C=C+1
1505 F=0
1569 T=0
1613 PRINT "SAVE THIS PAPER AS A RECORD OF YOUR ACCOMPLISHMENT!"

```

### IQ Hello

CREATIVE COMPUTING H-I-Q  
HERE IS THE BOARD: MORRISTOWN, NEW JERSEY

		!	!	!		
		!	!	!		
		22	23	24		
38	39	40	41	42	43	44
47	48	49	50	51	52	53
		!	!	!		
		58	59	60		

NUMBERS. ! ! !  
OK, LET'S BEGIN.  
HI THERE, > > > >

```

0 PRINT "### IQ Hello"
1 PRINT TAB(33);"H-I-Q"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
5 PRINT "HERE IS THE BOARD:" PRINT
6 PRINT "          !      !      !"
8 PRINT "          !      !      !"
9 PRINT "          22     23     24": PRINT
13 PRINT "38     39     40     41     42     43     44": PRINT
15 PRINT "47     48     49     50     51     52     53": PRINT
16 PRINT "          !      !      !"
17 PRINT "          58     59     60": PRINT
18 PRINT "          !      !      !"
24 PRINT "NUMBERS. OK, LET'S BEGIN."
30 PRINT "HI THERE, ";N$; ", ARE YOU ENJOYING YOURSELF HERE";
40 INPUT B$: PRINT
42 T(R,C)=5
70 PRINT "I'M GLAD TO HEAR THAT, ";N$; ".": PRINT
85 PRINT "BRIGHTEN UP YOUR VISIT A BIT."
120 PRINT "YOU HAVE (ANSWER SEX, HEALTH, MONEY, OR JOB)";
125 INPUT C$
145 PRINT "I CAN SYMPATHIZE WITH YOU ";N$; ". I HAVE TO WORK"
153 PRINT "IS TO OPEN A RETAIL COMPUTER STORE. IT'S GREAT FUN."
160 PRINT "SORRY, ";N$; ", I'M BROKE TOO. WHY DON'T YOU SELL"
162 PRINT "ENCYCLOPEDIAS OR MARRY SOMEONE RICH OR STOP EATING"
190 PRINT "      3. GO TO BED (ALONE)"
200 INPUT "IS YOUR PROBLEM TOO MUCH OR TOO LITTLE";D$: PRINT
215 PRINT "DON'T GET ALL SHOOK, ";N$; ", JUST ANSWER THE QUESTION"
230 PRINT "WHY ARE YOU HERE IN SUFFERN, ";N$; "? YOU SHOULD BE"
250 PRINT
275 PRINT "JUST A SIMPLE 'YES' OR 'NO' PLEASE, ";N$; ".":
280 PRINT "WHAT KIND (SEX, MONEY, HEALTH, JOB)";
305 PRINT "PLEASE LEAVE THE MONEY ON THE TERMINAL."
310 PRINT: PRINT: PRINT
320 INPUT G$: PRINT
350 PRINT "HEY, ";N$; "??? YOU LEFT NO MONEY AT ALL!"
370 PRINT "THAT'S HONEST, ";N$; ", BUT HOW DO YOU EXPECT"
380 PRINT "DON'T PAY THEIR BILLS?"
390 PRINT "NICE MEETING YOU, ";N$; ", HAVE A NICE DAY."
550 REM
999 END
1505 F=0
1612 PRINT "BRAVO! YOU MADE A PERFECT SCORE!"
2010 END

```

### King 23

KING  
23 MATCHES  
THE MONEY SYSTEM IS BALLODS, AND EACH PERSON NEEDS 100  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A GAME CALLED '23 MATCHES'.  
WHEN IT IS YOUR TURN, YOU MAY TAKE ONE, TWO, OR THREE  
MATCHES. THE OBJECT OF THE GAME IS NOT TO HAVE TO TAKE  
THE LAST MATCH.

PREPARE TO LOSE, MEATBALL-NOSE!!  
I TAKE 2 MATCHES

YOUR TURN -- YOU MAY TAKE 1, 2 OR 3 MATCHES.  
? THERE ARE NOW19MATCHES REMAINING.

MY TURN ! I REMOVE  
> > >



```

0 PRINT "### King 23"
1 PRINT TAB(34);"KING"
20 PRINT TAB(31);"23 MATCHES"
28 PRINT "THE MONEY SYSTEM IS RALLODS, AND EACH PERSON NEEDS 100"
30 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
40 PRINT:PRINT:PRINT
50 A=INT(60000+(1000*RND(1))-(1000*RND(1)))
55 B=INT(500+(10*RND(1))-(10*RND(1)))
80 PRINT " THIS IS A GAME CALLED '23 MATCHES'."
100 W=INT(10*RND(1)+95)
100 PRINT "WHEN IT IS YOUR TURN, YOU MAY TAKE ONE, TWO, OR THREE"
110 PRINT INT(B);PRINT "COUNTRYMEN, ";
110 PRINT "MATCHES. THE OBJECT OF THE GAME IS NOT TO HAVE TO TAKE"
120 PRINT "THE LAST MATCH."
155 PRINT "LAND CURRENTLY COSTS";V9;"RALLODS PER SQUARE MILE TO PLANT."
155 PRINT
160 REM
165 N = 23
170 Q = INT(2*RND(5))
220 PRINT "PREPARE TO LOSE, MEATBALL-NOSE!!"
250 PRINT "I TAKE 2 MATCHES"
260 N = N - 2
280 X=1
280 PRINT
290 PRINT "YOUR TURN -- YOU MAY TAKE 1, 2 OR 3 MATCHES."
310 INPUT K
340 N = N - K
350 PRINT "THERE ARE NOW";N;"MATCHES REMAINING."
380 PRINT
390 PRINT "MY TURN ! I REMOVE" Z "MATCHES"
400 N = N - Z
420 INPUT J
430 PRINT "VERY FUNNY! DUMMY!"
440 PRINT "DO YOU WANT TO PLAY OR GOOF AROUND?"
480 PRINT"YOU POOR BOOB! YOU TOOK THE LAST MATCH! I GOTCHA!!"
490 K=0
490 PRINT "HA ! HA ! I BEAT YOU !!!"
500 PRINT
530 PRINT "YOU WON, FLOPPY EARS !"
540 PRINT "THINK YOU'RE PRETTY SMART !"
550 PRINT "LETS PLAY AGAIN AND I'LL BLOW YOUR SHOES OFF !!"
570 END
617 PRINT "OF THE GAME).".
618 STOP
1010 A=INT(A-K)
1140 PRINT F1;"COUNTRYMEN DIED OF CARBON-MONOXIDE AND DUST INHALATION"
1187 PRINT " INSUFFICIENT RESERVES TO COVER COST - LAND WAS SOLD"
1360 PRINT "INCREASED ";
1405 V2=INT((2000-D)*15)
1451 A=INT(A+V3)
1460 PRINT "FISH POPULATION HAS DWINDLED DUE TO WATER POLLUTION."
1592 PRINT
1902 PRINT
1920 PRINT "CONGRATULATIONS!!!!!!!!!!!!!!!"
1965 PRINT " COME ON, YOUR TERM IN OFFICE IS ONLY";N5;"YEARS."
1969 PRINT "HOW MUCH DID YOU HAVE IN THE TREASURY";
1981 INPUT C
1991 INPUT D
1996 PRINT " COME ON, YOU STARTED WITH 1000 SQ. MILES OF FARM LAND"

```

\*\*\* King Animal

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

WHICH ALSO HAS AN EXCELLENT MINERAL CONTENT AND MAY BE SOLD

PLAY 'GUESS THE ANIMAL'

GOOD LUCK!

THINK OF AN ANIMAL AND THE COMPUTER WILL TRY TO GUESS IT.

ARE YOU THINKING OF AN ANIMAL? \*\*\* THINK AGAIN. YOU ONLY HAVE> >

```

0 PRINT "### King Animal"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
30 PRINT: PRINT: PRINT
36 PRINT "WHICH ALSO HAS AN EXCELLENT MINERAL CONTENT AND MAY BE
SOLD"
40 PRINT "PLAY 'GUESS THE ANIMAL'"
46 PRINT "GOOD LUCK!"
50 PRINT "THINK OF AN ANIMAL AND THE COMPUTER WILL TRY TO GUESS IT."
60 PRINT
70 DIM A$(200)
100 W=INT(10*RND(1)+95)
110 N=VAL(A$(0))
120 REM          MAIN CONTROL SECTION
130 INPUT "ARE YOU THINKING OF AN ANIMAL";A$
160 K=1
210 INPUT A$
220 A$=LEFT$(A$,1)
230 PRINT "***  THINK AGAIN. YOU ONLY HAVE";D-1000;"SQUARE MILES OF FARM
LAND."
240 INPUT "THE ANIMAL YOU WERE THINKING OF WAS A ";V$
260 PRINT V$;" FROM A ";RIGHT$(A$(K),LEN(A$(K))-2)
370 A$(K)="\Q"+X$+"\ "+A$+STR$(Z1+1)+"\ "+B$+STR$(Z1)+"\"
380 J=0
390 REM          SUBROUTINE TO PRINT QUESTIONS
410 PRINT "HOW MANY SQUARE MILES DO YOU WISH TO PLANT";
430 U1=INT(J*U9)
450 PRINT "    THINK AGAIN. YOU'VE ONLY";A;" RALLODS LEFT IN THE
TREASURY."
505 STOP
510 PRINT "HOW MANY RALLODS DO YOU WISH TO SPEND ON POLLUTION CONTROL";
510 K=VAL(MID$(Q$,X+2,Y-X-2))
600 PRINT:PRINT "ANIMALS I ALREADY KNOW ARE:"
624 PRINT TAB(15*X);
670 PRINT
999 END
1174 B5=INT(F1+(B-(I/100)))
1175 A=INT(A-(F1+(B-(I/100)))*9)
1265 PRINT "CAME TO";
1290 B=INT(B+P1)
1292 C=INT(C+C1)
1360 PRINT "INCREASED ";
1370 Q=INT((J-U2)*(W/2))
1451 A=INT(A+U3)
1465 PRINT "AIR POLLUTION IS KILLING GAME BIRD POPULATION."
1700 PRINT
1702 PRINT
1900 PRINT
1960 PRINT "HOW MANY YEARS HAD YOU BEEN IN OFFICE WHEN INTERRUPTED";
1969 PRINT "HOW MUCH DID YOU HAVE IN THE TREASURY";
1981 INPUT C

```

### King Bombardment

MONEY TO YOUR COUNTRYMEN FROM THE COMMUNAL TREASURY.  
YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU  
HAVE 25 OUTPOSTS AVAILABLE WHERE THEY MAY BE PLACED.

FIRST IS THE WINNER.

GOOD LUCK... AND TELL US WHERE YOU WANT THE BODIES SENT!  
> > > >

```

0 PRINT "### King Bombardment"
3 PRINT:PRINT:PRINT
12 PRINT:PRINT:PRINT
26 PRINT "MONEY TO YOUR COUNTRYMEN FROM THE COMMUNAL TREASURY."
55 B=INT(500+(10*RND(1))-(10*RND(1)))
100 PRINT "YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU"
110 PRINT "HAVE 25 OUTPOSTS AVAILABLE WHERE THEY MAY BE PLACED."
135 PRINT
170 PRINT "FIRST IS THE WINNER."
180 PRINT
190 PRINT "GOOD LUCK... AND TELL US WHERE YOU WANT THE BODIES SENT!"
260 DIM M(100)
300 D=INT(D-H)
400 A=INT(A-I)
410 F=INT(RND(1)*25)+1
427 PRINT "      SORRY, BUT YOU'VE ONLY";D-1000;"SQ. MILES OF FARM LAND."
490 INPUT G,H,K,L
495 PRINT
612 PRINT "GOODBYE."
710 Q=Q+1
850 PRINT "THREE DOWN, ONE TO GO."
890 PRINT "YOU GOT ME, I'M GOING FAST. BUT I'LL GET YOU WHEN"
900 PRINT "MY TRANSISTOR&S RECUP&RA&E!"
920 Z=Z+1
940 PRINT "I GOT YOU. IT WON'T BE LONG NOW. POST";X;"WAS HIT."
1002 PRINT
1020 A4=A
1172 PRINT "BALLODS ON FUNERAL EXPENSES"
1181 PRINT "FUNERAL EXPENSES."
1183 A=INT(A-(F1*9))
1190 A=0
1210 X=M
1220 C1=INT(H+(RND(1)*10)-(RND(1)*20))
1220 M(P)=M
1235 END
1265 PRINT "CAME TO";
1552 PRINT
1562 PRINT "OF COUNTRYMEN. AS A MINORITY, THEY HAVE REVOLTED AND"
1564 PRINT "TAKEN OVER THE COUNTRY."
1690 PRINT "HAVE ALSO BEEN DECLARED NATIONAL FINK."
1945 PRINT "PLAYS THIS GAME."
1970 INPUT A
1976 INPUT B
1980 PRINT "HOW MANY WORKERS";
2000 X5=X5+1

```

\*\*\* LEM Flip

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
X X X X X X X X X X X

TO THIS:

0 0 0 0 0 0 0 0 0 0

OTHERS, TWO WILL CHANGE. TO RESET LINE TO ALL X'S, TYPE 0  
11 (ELEVEN).

INPUT MEASUREMENT OPTION NUMBERHERE IS THE STARTING LINE OF X'S.

1 2 3 4 5 6 7 8 9 10  
X X X X X X X X X X

> > > >

```

0 PRINT "### LEM Flip"
4 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
10 REM *** CREATED BY MICHAEL CASS
15 DIM A$(20)
40 PRINT "X X X X X X X X X X"
50 H0=60
50 PRINT
60 PRINT "TO THIS:"
65 R1=0
70 PRINT
80 PRINT "0 0 0 0 0 0 0 0 0 0"
90 PRINT
115 N=1
120 M2=0
120 PRINT "OTHERS, TWO WILL CHANGE.  TO RESET LINE TO ALL X'S, TYPE 0"
140 PRINT "11 (ELEVEN)."
```

```

180 REM
190 Q=RND(1)
195 PRINT "INPUT MEASUREMENT OPTION NUMBER";
200 PRINT "HERE IS THE STARTING LINE OF X'S."
220 PRINT "ENTER THE APPROPRIATE NUMBER";
220 C=0
230 PRINT
230 PRINT "1 2 3 4 5 6 7 8 9 10"
240 PRINT "X X X X X X X X X X"
250 PRINT
300 G5=2
315 PRINT
320 PRINT "  YOU ARE ON A LUNAR LANDING MISSION.  AS THE PILOT OF"
320 PRINT "INPUT THE NUMBER";
330 INPUT N
385 PRINT TAB(30);"-180+180"
410 A$(N)="0"
415 PRINT
465 PRINT "10 AND 100 PERCENT."
480 PRINT
505 PRINT
530 R=.592*(1/TAN(Q/N+Q))/SIN(N*2+Q)-COS(N)
570 A$(N)="0"
590 A$(N)="X"
630 N=T1/20
640 P=P*3.14159/180
705 M1=0
720 PRINT "DO YOU WANT TO TRY ANOTHER PUZZLE";
725 M=M-.5*M2
745 A4=A3
760 PRINT
820 D=R0*A*Z
825 D1=R*A1*Z
830 T2=M1*B/M0
840 PRINT TAB(37);H1;TAB(49);D1;TAB(60);T2
910 PRINT "THIS SPACECRAFT IS NOT ABLE TO VIOLATE THE SPACE-";
950 PRINT "IMPOSSIBLE THRUST VALUE ";
1025 PRINT "CRASH !!!!!!!!!!!!!"
1095 PRINT "MISSION ABENDED"
1145 STOP
1165 PRINT "1=COMPLETE INSTRUCTIONS"
1180 INPUT B1

```

### LEM Gomoko

GOMOKO

WELCOME TO THE ORIENTAL GAME OF GOMOKO.

THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE  
DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED  
WITH A '1' AND THE COMPUTER MOVES WITH A '2'.

THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON.

WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)?

(YES OR NO)? INPUT MEASUREMENT OPTION NUMBER/OUR PLAY (I,J)? Not  
enough values input - redo from start

?

?

? >



```

0 PRINT "### LEM Gomoko"
2 PRINT TAB(33);"GOMOKO"
6 PRINT:PRINT:PRINT
10 Z$="GO"
10 PRINT "WELCOME TO THE ORIENTAL GAME OF GOMOKO."
20 M=17.95
20 PRINT: PRINT "THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE"
60 PRINT "DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED"
70 PRINT "WITH A '1' AND THE COMPUTER MOVES WITH A '2'."
80 PRINT: PRINT "THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON."
110 PRINT "WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)"; INPUT N
115 N=N
150 PRINT
160 PRINT " (YES OR NO)";
165 INPUT Q$
195 PRINT "INPUT MEASUREMENT OPTION NUMBER";
260 G3=3.6
265 N$=" KILOMETERS"
310 PRINT "YOUR PLAY (I,J)"; INPUT I,J
315 PRINT
325 PRINT "THE LUNAR EXCURSION MODULE, YOU WILL BE EXPECTED TO"
330 PRINT "GIVE CERTAIN COMMANDS TO THE MODULE NAVIGATION SYSTEM."
365 PRINT "-90 DEGREES IS ON A TANGENT IN THE DIRECTION OF ORBIT"
370 PRINT "+90 DEGREES IS ON A TANGENT FROM THE DIRECTION OF ORBIT"
405 PRINT TAB(34);"0"
410 PRINT TAB(21);"<<<< DIRECTION OF ORBIT <<<<"
415 PRINT
440 PRINT
440 A(I,J)=1
480 PRINT
545 PRINT "          DISTANCE FROM LANDING SITE IN ";M$
745 A4=A3
755 A2=(3*A3-A4)/2+.0056*F1*F*S/(M*R)
800 REM *** PRINT THE BOARD ***
865 F=0
925 PRINT
999 END
1000 PRINT "TRANQUILITY BASE HERE -- THE EAGLE HAS LANDED."
1005 PRINT "CONGRATULATIONS -- THERE WAS NO SPACECRAFT DAMAGE."
1010 PRINT "YOU MAY NOW PROCEED WITH SURFACE EXPLORATION."
1020 PRINT
1025 PRINT "CRASH !!!!!!!!!!!!!!"
1055 PRINT "YOU HAVE BEEN LOST IN SPACE WITH NO HOPE OF RECOVERY."
1065 PRINT "YOU ARE DOWN SAFELY - "
1095 PRINT "MISSION ABENDED"
1135 PRINT "TOO BAD, THE SPACE PROGRAM HATES TO LOSE EXPERIENCED"
1150 PRINT
1170 PRINT "2=INPUT-OUTPUT STATEMENTS"
1195 Q$="YES"

```

### Life Literature

LITERATURE QUIZ  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
ENTER YOUR PATTERN:  
TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE.

THIS IS A MULTIPLE-CHOICE QUIZ.  
TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK.

GOOD LUCK!

IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT  
1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO  
VERY GOOD! HERE'S ANOTHER.  
FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?  
1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S  
PRETTY GOOD!

IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED  
1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO  
YEA! YOU'RE A REAL LITERATURE GIANT.

1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY  
OH, COME ON NOW...IT WAS SNOW WHITE.  
GOOD MEMORY!

NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME  
READING THE NURSERY GREATS.  
> > > >

```

0 PRINT "### Life Literature"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
5 R=0
8 PRINT "ENTER YOUR PATTERN:"
10 DIM A(24,70),B$(24)
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
13 PRINT "TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
20 C=1
40 PRINT "IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT"
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
46 PRINT "VERY GOOD! HERE'S ANOTHER."
51 PRINT "FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?"
52 PRINT "1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S";
56 PRINT "PRETTY GOOD!"
57 R=R+1
60 C=C+1
60 PRINT: PRINT
61 PRINT "IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED"
62 PRINT "1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO";
66 PRINT "YEA! YOU'RE A REAL LITERATURE GIANT."
67 R=R+1
70 PRINT:PRINT
72 PRINT "1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY";
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
76 PRINT "GOOD MEMORY!"
77 R=R+1
80 C=C-1: L=0
80 PRINT:PRINT
92 PRINT "NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME"
94 PRINT "READING THE NURSERY GREATS."
96 STOP
200 PRINT:PRINT:PRINT
215 X3=24:Y3=70:X4=1: Y4=1: P=0
220 G=G+1
261 PRINT TAB(Y);"*";
595 P=P+1
635 X1=X1-1:Y1=Y1-1:X2=X2+1:Y2=Y2+1
650 END

```

### Literature King

KING  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE.

TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK.

GOOD LUCK!

JOB IS TO DECIDE UPON THE CONTRY'S BUDGET AND DISTRIBUTE  
IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT  
VERY GOOD! HERE'S ANOTHER.

FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?  
PRETTY GOOD!

IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED  
1)CICERO, 2)TRIXIA, 3)KING, 4)TOTOYEA! YOU'RE A REAL LITERATURE GIANT.

OH, COME ON NOW...IT WAS SNOW WHITE.  
GOOD MEMORY!

NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME  
READING THE NURSERY GREATS.  
> > > >

```

0 PRINT "### Literature King"
1 PRINT TAB(25);"LITERATURE QUIZ"
1 PRINT TAB(34);"KING"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
3 PRINT:PRINT:PRINT
5 R=0
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
12 PRINT:PRINT:PRINT
13 PRINT "TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
24 PRINT "JOB IS TO DECIDE UPON THE CONTRY'S BUDGET AND DISTRIBUTE"
40 PRINT "IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT"
46 PRINT "VERY GOOD! HERE'S ANOTHER."
47 R=R+1
47 PRINT
50 PRINT: PRINT
50 A=INT(60000+(1000*RND(1))-(1000*RND(1)))
51 PRINT "FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?"
56 PRINT "PRETTY GOOD!"
57 R=R+1
60 PRINT: PRINT
61 PRINT "IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED"
62 PRINT "1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO";
66 PRINT "YEA! YOU'RE A REAL LITERATURE GIANT."
67 R=R+1
70 PRINT:PRINT
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
76 PRINT "GOOD MEMORY!"
77 R=R+1
80 PRINT:PRINT
92 PRINT "NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME"
94 PRINT "READING THE NURSERY GREATS."
96 STOP
100 PRINT "WOW! THAT'S SUPER! YOU REALLY KNOW YOUR NURSERY"
120 PRINT "LITERATURE (HA, HA, HA)"
130 STOP
230 PRINT "*** THINK AGAIN. YOU ONLY HAVE";D-1000;"SQUARE MILES OF FARM
LAND."
370 PRINT " THINK AGAIN. YOU'VE ONLY";A;" RALLODS IN THE TREASURY"
410 PRINT "HOW MANY SQUARE MILES DO YOU WISH TO PLANT";
430 U1=INT(J*V9)
1020 A4=A
1182 B5=F1
1226 C1=C1+20
1265 PRINT "CAME TO";
1290 B=INT(B+P1)
1350 PRINT " (DUE TO ";
1552 PRINT
1715 PRINT "WERE ELECTED TO OFFICE. THE PEOPLE (REMAINING)"
1975 PRINT "HOW MANY COUNTRYMEN";
2000 X5=X5+1

```

### Literature Quiz

LITERATURE QUIZ  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE.

THIS IS A MULTIPLE-CHOICE QUIZ.

TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK.

GOOD LUCK!

IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT

1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTOVERY GOOD! HERE'S ANOTHER.

FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?

1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'SPRETTY GOOD!

IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED

1>CICERO, 2>TRIXIA, 3>KING, 4>TOTOYEA! YOU'RE A REAL LITERATURE GIANT.

WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE

1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDYOH, COME ON NOW...IT WAS SNOW WHITE.

GOOD MEMORY!

NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME  
READING THE NURSERY GREATS.

> > > >

```

0 PRINT "### Literature Quiz"
1 PRINT TAB(25);"LITERATURE QUIZ"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
5 R=0
5 R=0
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
13 PRINT "TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK."
13 PRINT "TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
40 PRINT "IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT"
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
46 PRINT "VERY GOOD! HERE'S ANOTHER."
46 PRINT "VERY GOOD! HERE'S ANOTHER."
47 R=R+1
47 R=R+1
50 PRINT: PRINT
51 PRINT "FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?"
51 PRINT "FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?"
52 PRINT "1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S";
52 PRINT "1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S";
56 PRINT "PRETTY GOOD!"
57 R=R+1
57 R=R+1
60 PRINT: PRINT
61 PRINT "IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED"
62 PRINT "1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO";
66 PRINT "YEA! YOU'RE A REAL LITERATURE GIANT."
66 PRINT "YEA! YOU'RE A REAL LITERATURE GIANT."
67 R=R+1
67 R=R+1
70 PRINT:PRINT
70 PRINT:PRINT
71 PRINT "WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE"
71 PRINT "WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE"
72 PRINT "1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY";
72 PRINT "1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY";
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
76 PRINT "GOOD MEMORY!"
77 R=R+1
77 R=R+1
80 PRINT:PRINT
80 PRINT:PRINT
92 PRINT "NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME"
94 PRINT "READING THE NURSERY GREATS."
94 PRINT "READING THE NURSERY GREATS."
96 STOP
100 PRINT "WOW! THAT'S SUPER! YOU REALLY KNOW YOUR NURSERY"
120 PRINT "LITERATURE (HA, HA, HA)"
120 PRINT "LITERATURE (HA, HA, HA)"
130 STOP
130 STOP
999 END
999 END

```

### Literature Target

LITERATURE QUIZ  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

TARGET

THIS IS A MULTIPLE-CHOICE QUIZ.  
TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK.

GOOD LUCK!

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT  
1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTOVERY GOOD! HERE'S ANOTHER.

FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?  
1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'SPRETTY GOOD!

1>CICERO, 2>TRIXIA, 3>KING, 4>TOTOYEA! YOU'RE A REAL LITERATURE GIANT.

OH, COME ON NOW...IT WAS SNOW WHITE.

NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME  
READING THE NURSERY GREATS.  
> > > >



```

0 PRINT "### Literature Target"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
5 R=0
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
10 PRINT TAB(33);"TARGET"
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
13 PRINT "TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT: PRINT: PRINT
40 PRINT "IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT"
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
46 PRINT "VERY GOOD! HERE'S ANOTHER."
47 R=R+1
50 PRINT: PRINT
51 PRINT "FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?"
52 PRINT "1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S";
56 PRINT "PRETTY GOOD!"
57 R=R+1
60 PRINT: PRINT
62 PRINT "1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO";
66 PRINT "YEA! YOU'RE A REAL LITERATURE GIANT."
70 PRINT:PRINT
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
77 R=R+1
80 PRINT:PRINT
92 PRINT "NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME"
94 PRINT "READING THE NURSERY GREATS."
96 STOP
100 PRINT "WOW! THAT'S SUPER! YOU REALLY KNOW YOUR NURSERY"
100 R=1: R1=57.296: P=3.14159
110 PRINT "YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE"
120 PRINT "LITERATURE (HA, HA, HA)"
120 PRINT "AND THIS IS A TEST TO SEE HOW ACCURATE A SHOT YOU"
130 STOP
130 PRINT "ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD"
150 PRINT "OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,"
170 PRINT "AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET."
190 PRINT "DESTROYED!": PRINT: PRINT "GOOD LUCK!":PRINT: PRINT
220 A=2*P: B=2*P: Q=INT(A*R1): W=INT(B*R1)
260 PRINT "RADIANS FROM X AXIS =";A; " FROM Z AXIS =";B
280 P1=100000*2*P: X=SIN(B)*COS(A)*P1: Y=SIN(B)*SIN(A)*P1
290 Z=COS(B)*P1
375 P3=P1
400 PRINT:PRINT "INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z,"
DISTANCE";
425 PRINT "FROM Z AXIS =";B1
480 X1=P2*SIN(B1)*COS(A1): Y1=P2*SIN(B1)*SIN(A1): Z1=P2*COS(B1)
510 D=((X1-X)^2+(Y1-Y)^2+(Z1-Z)^2)^(1/2)
550 PRINT "DISTANCE OF EXPLOSION FROM TARGET WAS";D;"KILOMETERS."
570 PRINT: PRINT "MISSION ACCOMPLISHED IN ";R;" SHOTS."
730 PRINT "SHOT BEHIND TARGET";-X2;"KILOMETERS."
770 PRINT "SHOT TO RIGHT OF TARGET";-Y2;"KILOMETERS."
820 PRINT "APPROX POSITION OF EXPLOSION: X=";X1;" Y=";Y1;" Z=";Z1
999 END

```

### Lunar Banner  
HORIZONTALVERTICAL

STATEMENTTHIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR  
SET PAGELANDING CAPSULE.

SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN  
0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND.  
SET NEW BURN RATE EVERY 10 SECONDS.

CAPSULE WEIGHT 32,500 LBS; FUEL WEIGHT 16,500 LBS.

>

```

0 PRINT "### Lunar Banner"
10 INPUT "HORIZONTAL";X
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 INPUT "VERTICAL";Y
25 PRINT:PRINT:PRINT
29 PRINT "STATEMENT":
30 PRINT "THIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR"
35 INPUT "SET PAGE";O$
40 PRINT "LANDING CAPSULE.": PRINT: PRINT
50 PRINT "THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY"
50 REM
60 PRINT "XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY.:"
60 REM
70 PRINT: PRINT "SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN"
80 PRINT "0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND."
90 PRINT "SET NEW BURN RATE EVERY 10 SECONDS.": PRINT
100 PRINT "CAPSULE WEIGHT 32,500 LBS; FUEL WEIGHT 16,500 LBS."
140 A=120:V=1:M=33000:N=16500:G=1E-03:Z=1.8
150 PRINT L,INT(A);INT(5280*(A-INT(A))),3600*V,M-N,:INPUT K:T=10
190 S=(M-N)/K
200 RESTORE
240 PRINT "FUEL OUT AT";L;"SECONDS":S=(-V+SQR(V*V+2*A*G))/G
250 V=V+G*S: L=L+S
284 PRINT "CRAFT DAMAGE... YOU'RE STRANDED HERE UNTIL A RESCUE"
286 PRINT "PARTY ARRIVES. HOPE YOU HAVE ENOUGH OXYGEN!"
300 PRINT "SORRY THERE WERE NO SURVIVORS. YOU BLOW IT!"
310 PRINT "IN FACT, YOU BLASTED A NEW LUNAR CRATER";W*.227;"FEET DEEP!"
420 Q=S*K/M: J=V+G*S+2*(-Q-Q*Q/2-Q^3/3-Q^4/4-Q^5/5)
447 PRINT TAB((63-4.5*Y)*61/(LEN(X$)+1);
620 PRINT
901 DATA "G",125,131,258,258,290,163,101
902 DATA "E",512,274,274,274,274,258,258
903 DATA "T",2,2,2,512,2,2,2
904 DATA "W",256,257,129,65,129,257,256
909 DATA "F",512,18,18,18,18,2,2
912 DATA "D",512,258,258,258,258,131,125
914 DATA "M",512,7,13,25,13,7,512
915 DATA "?",5,3,2,354,18,11,5
916 DATA "U",128,129,257,257,257,129,128
923 DATA "Z",386,322,290,274,266,262,260
925 DATA "C",125,131,258,258,258,131,69
926 DATA "J",65,129,257,257,257,129,128
927 DATA "I",0,0,261,259,512,257,257
928 DATA "2",261,387,322,290,274,267,261
932 DATA "5",160,274,274,274,274,274,226
940 DATA ":",1,1,129,449,129,1,1

```

### Lunar Digits

DIGITS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

LANDING CAPSULE.

THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY  
XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY.

SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN  
0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND.  
SET NEW BURN RATE EVERY 10 SECONDS.

SEC

> > > >

```

0 PRINT "### Lunar Digits"
10 PRINT TAB(33);"LUNAR"
10 PRINT TAB(33);"DIGITS"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
25 PRINT:PRINT:PRINT
30 PRINT "THIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR"
30 PRINT:PRINT:PRINT
40 PRINT "LANDING CAPSULE.": PRINT: PRINT
50 PRINT "THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY"
60 PRINT "XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY."
70 PRINT: PRINT "SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN"
80 PRINT "0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND."
90 PRINT "SET NEW BURN RATE EVERY 10 SECONDS.": PRINT
130 PRINT: PRINT "SEC","MI + FT","MPH","LB FUEL","BURN RATE":PRINT
140 A=120:V=1:M=33000:N=16500:G=1E-03:Z=1.8
150 PRINT L,INT(A);INT(5280*(A-INT(A))),3600*V,M-N;INPUT K:T=10
190 S=(M-N)/K
210 PRINT "THIS IS A GAME OF GUESSING."
240 PRINT "FUEL OUT AT";L;"SECONDS":S=(-V+SQR(V*V+2*A*G))/G
250 V=V+G*S: L=L+S
260 W=3600*V: PRINT "ON MOON AT";L;"SECONDS - IMPACT VELOCITY";W;"MPH"
284 PRINT "CRAFT DAMAGE... YOU'RE STRANDED HERE UNTIL A RESCUE"
286 PRINT "PARTY ARRIVES. HOPE YOU HAVE ENOUGH OXYGEN!"
300 PRINT "SORRY THERE WERE NO SURVIVORS. YOU BLOW IT!"
310 PRINT "IN FACT, YOU BLASTED A NEW LUNAR CRATER";W*.227;"FEET DEEP!"
320 PRINT "I OUGHT TO BE RIGHT TEN TIMES. BUT I HOPE TO DO BETTER"
330 PRINT "THAN THAT *****"
340 PRINT:PRINT
350 D=V+SQR(V*V+2*A*(G-Z*K/M)):S=2*A/D
370 DATA 0,1,3
570 W=N(I)-1
630 PRINT: PRINT "MY GUESS","YOUR NO.,""RESULT","NO. RIGHT":PRINT
670 N=N(U): S=0
700 S1=A*K(Z2,J)+B*L(Z1,J)+C*M(Z,J)
740 S=S1: G=J
860 Z=Z-INT(Z/9)*9
870 Z=3*Z+N(U)
880 Z1=Z-INT(Z/9)*9
890 Z2=N(U)
950 PRINT "I GUESSED EXACTLY 1/3 OF YOUR NUMBERS."
960 PRINT "IT'S A TIE GAME."
980 PRINT "I GUESSED MORE THAN 1/3 OF YOUR NUMBERS."
1010 PRINT "I GUESSED LESS THAN 1/3 OF YOUR NUMBERS."
1020 PRINT "YOU BEAT ME. CONGRATULATIONS *****"
1030 PRINT
1060 INPUT X
1090 END

```

### Lunar F{ball

FTBALL  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR  
LANDING CAPSULE.

THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY  
XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY.  
0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND.  
SET NEW BURN RATE EVERY 10 SECONDS.

CAPSULE WEIGHT 32,500 LBS; FUEL WEIGHT 16,500 LBS.

GOOD LUCK

SEC

0

? YOU WILL QUARTERBACK DARTMOUTH. CALL PLAYS AS FOLLOWS:

FUEL OUT AT0SECONDS

4= LONG PASS; 5= PUNT; 6= QUICK KICK; 7= PLACE KICK.

CHOOSE YOUR OPPONENTCRAFT DAMAGE... YOU'RE STRANDED HERE UNTIL A RESCUE  
PARTY ARRIVES. HOPE YOU HAVE ENOUGH OXYGEN!  
SORRY THERE WERE NO SURVIVORS. YOU BLOW IT!

> > >

```

0 PRINT "### Lunar F+ball"
10 PRINT TAB(33);"LUNAR"
10 PRINT TAB(33);"FTBALL"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
25 PRINT:PRINT:PRINT
30 PRINT "THIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR"
40 PRINT "LANDING CAPSULE.": PRINT: PRINT
50 PRINT "THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY"
60 PRINT "XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY."
80 PRINT "0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND."
90 PRINT "SET NEW BURN RATE EVERY 10 SECONDS.": PRINT
100 PRINT "CAPSULE WEIGHT 32,500 LBS; FUEL WEIGHT 16,500 LBS."
110 PRINT: PRINT: PRINT: PRINT "GOOD LUCK"
120 L=0
130 PRINT: PRINT "SEC","MI + FT","MPH","LB FUEL","BURN RATE":PRINT
140 A=120:V=1:M=33000:N=16500:G=1E-03:Z=1.8
150 PRINT L,INT(A);INT(5280*(A-INT(A))),3600*V,M-N;INPUT K:T=10
190 S=(M-N)/K
230 PRINT "YOU WILL QUARTERBACK DARTMOUTH. CALL PLAYS AS FOLLOWS:"
240 PRINT "FUEL OUT AT";L;"SECONDS":S=(-V+SQR(V*V+2*A*G))/G
250 V=V+G*S: L=L+S
250 PRINT "4= LONG PASS; 5= PUNT; 6= QUICK KICK; 7= PLACE KICK."
260 PRINT
270 PRINT "CHOOSE YOUR OPPONENT":
284 PRINT "CRAFT DAMAGE... YOU'RE STRANDED HERE UNTIL A RESCUE"
286 PRINT "PARTY ARRIVES. HOPE YOU HAVE ENOUGH OXYGEN!"
300 PRINT "SORRY THERE WERE NO SURVIVORS. YOU BLOW IT!"
310 PRINT "IN FACT, YOU BLASTED A NEW LUNAR CRATER";W*.227;"FEET DEEP!"
350 D=V+SQR(V*V+2*A*G-2*K/M):S=2*A/D
420 Q=S*K/M: J=V+G*S+2*(-Q-Q*Q/2-Q^3/3-Q^4/4-Q^5/5)
651 PRINT Y;L$(3);" RUNBACK"
1030 LET R=AND(1)*(98+FN(1)*.02)
1040 LET R1=AND(1)
1060 REM JEAN'S SPECIAL
1150 REM TRICKY RUN
1190 LET X3=X
1710 PRINT "KICK IS BLOCKED ***"
1850 LET S(P)=S(P)+3
2070 LET Z=4
2140 LET Z=5
2410 PRINT "YARDS TO GO: ";10-FN(1)
2430 PRINT
2550 PRINT O$(P);" KICKS OFF FROM ITS 20 YARD LINE."
2560 LET X=20+P*60
2600 PRINT L$(17);"***"
2630 PRINT "KICK IS GOOD."
2690 LET S(P)=S(P)+6
2710 REM TOUCHBACK
2760 REM DEFENSIVE TD
2820 PRINT "SCORE: ";S(0);" TO ";S(1)
2870 LET P3=INT(2*AND(1))
2880 PRINT O$(P3);" OFFSIDES -- PENALTY OF 5 YARDS."
2920 PRINT "DO YOU ACCEPT THE PENALTY";

```

### Lunar Super

# LUNAR

\*\*\*\*\*  
\* \* \*

THIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR

\* \* \*  
LANDING CAPSULE.

XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY.

SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN  
0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND.  
SET NEW BURN RATE EVERY 10 SECONDS.

1. WHEN YOU SEE \COMMAND ?\ PRINTED, ENTER ONE OF THE LEGAL  
COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX).  
LIST OF THE LEGAL COMMANDS PRINTED OUT.

> > > >



```

0 PRINT "### Lunar Super"
10 PRINT TAB(33);"LUNAR"
21 PRINT TAB(10);"*****"
23 PRINT TAB(10);"*"
25 PRINT:PRINT:PRINT
30 PRINT "THIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR"
31 PRINT TAB(10);"*"
40 PRINT "LANDING CAPSULE.": PRINT: PRINT
50 PRINT "THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY"
50 REM POKE 1229,2:POKE 1237,3:NULL 1
60 PRINT "XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY.:"
70 PRINT: PRINT "SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN"
80 PRINT "0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND."
90 PRINT "SET NEW BURN RATE EVERY 10 SECONDS.": PRINT
110 PRINT: PRINT: PRINT: PRINT "GOOD LUCK"
110 PRINT"1. WHEN YOU SEE \COMMAND ?\ PRINTED, ENTER ONE OF THE LEGAL"
120 L=0
120 PRINT"      COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX).:"
140 A=120:V=1:M=33000:N=16500:G=1E-03:Z=1.8
140 PRINT"      LIST OF THE LEGAL COMMANDS PRINTED OUT."
150 PRINT L,INT(A);INT(5280*(A-INT(A))),3600*A,V,M-N;INPUT K:T=10
170 PRINT"      TYPE IN ILLEGAL DATA (LIKE NEGATIVE NUMBERS), THAN"
COMMAND"
180 PRINT"      WILL BE ABORTED"
190 PRINT
240 PRINT "FUEL OUT AT";L;"SECONDS":S=(-V+SQR(V*V+2*A*G))/G
250 V=V+G*S: L=L+S
260 W=3600*A: PRINT "ON MOON AT";L;"SECONDS - IMPACT VELOCITY";W;"MPH"
270 PRINT"      THE GALAXY IS DIVIDED INTO AN 8 X 8 QUADRANT GRID,"
280 PRINT"AND EACH QUADRANT IS FURTHER DIVIDED INTO AN 8 X 8 SECTOR"
GRID."
284 PRINT "CRAFT DAMAGE... YOU'RE STRANDED HERE UNTIL A RESCUE"
286 PRINT "PARTY ARRIVES. HOPE YOU HAVE ENOUGH OXYGEN!"
300 PRINT "SORRY THERE WERE NO SURVIVORS. YOU BLOW IT!"
310 PRINT "IN FACT, YOU BLASTED A NEW LUNAR CRATER";W*.227;"FEET DEEP!"
320 PRINT"\ENTERPRISE\; YOUR MISSION: TO SEEK AND DESTROY THE FLEET OF"
350 D=V+SQR(V*V+2*A*(G-2*K/M)):S=2*A/D
410 PRINT"      VECTOR ARRANGEMENT AS SHOWN          . . ."
420 Q=S*K/M: J=V+G*S+2*(-Q-Q*Q/2-Q^3/3-Q^4/4-Q^5/5)
430 PRINT"      USED. (THUS COURSE 1.5 IS HALF-      5 ---*--- 1"
510 PRINT"      FROM QUADRANT 6,5 TO 5,5, YOU WOULD"
540 PRINT"\SRS\ COMMAND = SHORT RANGE SENSOR SCAN"
550 PRINT"      SHOWS YOU A SCAN OF YOUR PRESENT QUADRANT."
580 PRINT"      +K+ = KLINGON BATTLE CRUISER"
610 PRINT"      A CONDENSED 'STATUS REPORT' WILL ALSO BE PRESENTED."
660 PRINT"      OF THE ENTERPRISE (WHICH IS IN THE MIDDLE OF THE SCAN)"
690 PRINT"      STARBASES, AND THE HUNDREDS DIGIT IS THE NUMBER OF"
705 PRINT
710 PRINT
760 PRINT"      PHASERS TOO)"
770 PRINT
820 PRINT"      HIS PHASER FIRE. IN EITHER CASE, YOU ARE ALSO SUBJECT TO"
"
830 PRINT
860 PRINT"\SHE\ COMMAND = SHIELD CONTROL"
920 PRINT"      GIVES THE STATE OF REPAIR OF ALL DEVICES. WHERE A"
NEGATIVE"
930 PRINT"      'STATE OF REPAIR' SHOWS THAT THE DEVICE IS TEMPORARILY"
1020 PRINT"      THIS OPTION SHOWS THE NUMBER OF KLINGONS,"
STARDATES;"
1050 PRINT"      WHICH GIVES DIRECTIONS AND DISTANCE FROM THE
ENTERPRISE"
1090 PRINT"      STARBASE WITHIN YOUR QUADRANT"

```

### Lunar Target

CREATIVE COMPUTING      TARGET  
                         MORRISTOWN, NEW JERSEY

THIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR  
THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY  
XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY.

SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN  
0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND.  
SET NEW BURN RATE EVERY 10 SECONDS.

YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE  
AND THIS IS A TEST TO SEE HOW ACCURATE A SHOT YOU  
ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD  
OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,  
AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET.  
DESTROYED!

GOOD LUCK!!

FUEL OUT AT> > > >

```

0 PRINT "### Lunar Target"
10 PRINT TAB(33);"LUNAR"
10 PRINT TAB(33);"TARGET"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
25 PRINT:PRINT:PRINT
30 PRINT "THIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR"
50 PRINT "THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY"
60 PRINT "XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY."
70 PRINT: PRINT "SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN"
80 PRINT "0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND."
90 PRINT "SET NEW BURN RATE EVERY 10 SECONDS.": PRINT
100 PRINT "CAPSULE WEIGHT 32,500 LBS; FUEL WEIGHT 16,500 LBS."
100 R=1: R1=57.296: P=3.14159
110 PRINT: PRINT: PRINT: PRINT "GOOD LUCK"
110 PRINT "YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE"
120 L=0
120 PRINT "AND THIS IS A TEST TO SEE HOW ACCURATE A SHOT YOU"
130 PRINT "ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD"
140 A=120:V=1:M=33000:N=16500:G=1E-03:Z=1.8
150 PRINT L;INT(A);INT(5280*(A-INT(A))),3600*V,M-N;INPUT K:T=10
150 PRINT "OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,"
170 PRINT "AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET."
190 S=(M-N)/K
190 PRINT "DESTROYED!": PRINT: PRINT "GOOD LUCK!":PRINT: PRINT
220 A=RND(1)*2*P: B=RND(1)*2*P: Q=INT(A*R1): W=INT(B*R1)
240 PRINT "FUEL OUT AT";L;"SECONDS":S=(-V+SQR(V*V+2*A*G))/G
250 V=V+G*S: L=L+S
260 W=3600*V: PRINT "ON MOON AT";L;"SECONDS - IMPACT VELOCITY";W;"MPH"
260 PRINT "RADIANS FROM X AXIS =";A;" FROM Z AXIS =";B
280 P1=100000*RND(1)+RND(1): X=SIN(B)*COS(A)*P1: Y=SIN(B)*SIN(A)*P1
284 PRINT "CRAFT DAMAGE... YOU'RE STRANDED HERE UNTIL A RESCUE"
286 PRINT "PARTY ARRIVES. HOPE YOU HAVE ENOUGH OXYGEN!"
290 Z=COS(B)*P1
300 PRINT "SORRY THERE WERE NO SURVIVORS. YOU BLOW IT!"
310 PRINT "IN FACT, YOU BLASTED A NEW LUNAR CRATER";W*.227;"FEET DEEP!"
350 D=V+SQR(V*V+2*A*G-2*K/M):S=2*A/D
375 P3=P1
390 PRINT " ESTIMATED DISTANCE:":P3
400 PRINT:PRINT "INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z,
DISTANCE":
405 INPUT A1,B1,P2
420 A1=A1/R1: B1=B1/R1: PRINT "RADIANS FROM X AXIS =";A1;" ";
425 PRINT "FROM Z AXIS =";B1
480 X1=P2*SIN(B1)*COS(A1): Y1=P2*SIN(B1)*SIN(A1): Z1=P2*COS(B1)
530 PRINT: PRINT " * * * HIT * * * TARGET IS NON-FUNCTIONAL": PRINT
550 PRINT "DISTANCE OF EXPLOSION FROM TARGET WAS";D;"KILOMETERS."
570 PRINT: PRINT "MISSION ACCOMPLISHED IN ";R;" SHOTS."
770 PRINT "SHOT TO RIGHT OF TARGET";-Y2;"KILOMETERS."
810 PRINT "SHOT BELOW TARGET";-Z2;"KILOMETERS."
820 PRINT "APPROX POSITION OF EXPLOSION: X=";X1;" Y=";Y1;" Z=";Z1
999 END

```

### Lunar Trek

THIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR  
LANDING CAPSULE.

THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY  
XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY.

SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN  
SET NEW BURN RATE EVERY 10 SECONDS.

CAPSULE WEIGHT 32,500 LBS; FUEL WEIGHT 16,500 LBS.

GOOD LUCK

COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX).

SEC

LIST OF THE LEGAL COMMANDS PRINTED OUT.

> > > >

```

0 PRINT "### Lunar Trek"
25 PRINT:PRINT:PRINT
30 PRINT "THIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR"
40 PRINT "LANDING CAPSULE.": PRINT: PRINT
50 PRINT "THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY"
60 PRINT "XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY.:"
70 PRINT: PRINT "SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN"
90 PRINT "SET NEW BURN RATE EVERY 10 SECONDS.": PRINT
100 PRINT "CAPSULE WEIGHT 32,500 LBS; FUEL WEIGHT 16,500 LBS."
110 PRINT: PRINT: PRINT: PRINT "GOOD LUCK"
120 L=0
120 PRINT"      COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX).:"
130 PRINT: PRINT "SEC","MI + FT","MPH","LB FUEL","BURN RATE":PRINT
140 A=120:V=1:M=33000:N=16500:G=1E-03:Z=1.8
140 PRINT"      LIST OF THE LEGAL COMMANDS PRINTED OUT."
150 PRINT L,INT(A);INT(5280*(A-INT(A))),3600*V,M-N;INPUT K:T=10
170 PRINT"      TYPE IN ILLEGAL DATA (LIKE NEGATIVE NUMBERS), THAN
COMMAND"
180 PRINT"      WILL BE ABORTED"
190 S=(M-N)/K
240 PRINT "FUEL OUT AT";L;"SECONDS":S=(-V+SQR(V*V+2*A*G))/G
250 V=V+G*S: L=L+S
260 W=3600*V: PRINT "ON MOON AT";L;"SECONDS - IMPACT VELOCITY";W;"MPH"
280 PRINT"AND EACH QUADRANT IS FURTHER DIVIDED INTO AN 8 X 8 SECTOR
GRID."
286 PRINT "PARTY ARRIVES. HOPE YOU HAVE ENOUGH OXYGEN!"
290 PRINT
300 PRINT "SORRY THERE WERE NO SURVIVORS. YOU BLOW IT!"
310 PRINT "IN FACT, YOU BLASTED A NEW LUNAR CRATER";W*.227;"FEET DEEP!"
340 PRINT"PLANETS."
350 D=V+SQR(V*V+2*A*(G-Z*K/M)):S=2*A/D
385 PRINT
390 PRINT"\NAV\ COMMAND = WARP ENGINE CONTROL --"
410 PRINT"      VECTOR ARRANGEMENT AS SHOWN          . . ."
420 Q=S*K/M: J=V+G*S+Z*(-Q-Q*Q/2-Q^3/3-Q^4/4-Q^5/5)
460 PRINT"      VALUES MAY APPROACH 9.0, WHICH          6 7 8"
490 PRINT"      ONE WARP FACTOR IS THE SIZE OF "
530 PRINT
555 PRINT
605 PRINT
660 PRINT"      OF THE ENTERPRISE (WHICH IS IN THE MIDDLE OF THE SCAN)"
680 PRINT"      IS THE NUMBER OF STARS, THE TENS DIGIT IS THE NUMBER
OF"
700 PRINT"      KLINGONS."
705 PRINT
706 PRINT"      EXAMPLE - 207 = 2 KLINGONS, NO STARBASES, & 7 STARS."
720 PRINT"\PHA\ COMMAND = PHASER CONTROL."
730 PRINT"      ALLOWS YOU TO DESTROY THE KLINGON BATTLE CRUISERS BY "
750 PRINT"      DEplete THEIR SHIELD POWER. (REMBER, KLINGONS HAVE"
820 PRINT"      HIS PHASER FIRE. IN EITHER CASE, YOU ARE ALSO SUBJECT TO
"
835 PRINT"      THE LIBRARY-COMPUTER (\COM\ COMMAND) HAS AN OPTION TO
"
850 PRINT
860 PRINT"\SHE\ COMMAND = SHIELD CONTROL"
940 PRINT"      DAMAGED."
960 PRINT"\COM\ COMMAND = LIBRARY-COMPUTER"
1000 PRINT"      PREVIOUS SHORT AND LONG RANGE SENSOR SCANS"
1010 PRINT"      OPTION 1 = STATUS REPORT"
1060 PRINT"      TO ALL KLINGONS IN YOUR QUADRANT"
1120 PRINT"      DIRECTION/DISTANCE CALCULATIONS"
1990 REM POKE 1229,0:POKE 1237,1:NULL 0
2000 REM PRINT:PRINT:PRINT

```

### Master One

ONE CHECK  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

SOLITAIRE CHECKER PUZZLE BY DAVID AHL  
48 CHECKERS ARE PLACED ON THE 2 OUTSIDE SPACES OF A  
STANDARD 64-SQUARE CHECKERBOARD. THE OBJECT IS TO  
INDICATE THE SQUARE YOU WISH TO JUMP FROM AND TO. ON  
THE BOARD PRINTED OUT ON EACH TURN '1' INDICATES A  
CHECKER AND '0' AN EMPTY SQUARE. WHEN YOU HAVE NO  
POSSIBLE JUMPS REMAINING, INPUT A '0' IN RESPONSE TO  
> > > >

```

0 PRINT "### Master One"
2 PRINT TAB(30);"ONE CHECK"
4 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
6 PRINT: PRINT: PRINT
8 DIM A(64)
10 PRINT "SOLITAIRE CHECKER PUZZLE BY DAVID AHL"
20 PRINT "48 CHECKERS ARE PLACED ON THE 2 OUTSIDE SPACES OF A"
25 PRINT "STANDARD 64-SQUARE CHECKERBOARD.  THE OBJECT IS TO"
40 PRINT "INDICATE THE SQUARE YOU WISH TO JUMP FROM AND TO.  ON"
45 PRINT "THE BOARD PRINTED OUT ON EACH TURN 'I' INDICATES A"
50 REM      PO BOX 789-M MORRISTOWN NEW JERSEY 07960
50 PRINT "CHECKER AND 'O' AN EMPTY SQUARE.  WHEN YOU HAVE NO"
55 PRINT "POSSIBLE JUMPS REMAINING, INPUT A 'O' IN RESPONSE TO"
60 REM
75 PRINT TAB(24);J+6;TAB(28);J+7
79 PRINT
90 A(I)=0
96 M=0
100 INPUT "JUMP FROM";F
120 F1=INT((F-1)/8)
130 F2=F-8*F1
140 H=0:C=0
180 PRINT
290 M=M+1
300 PRINT "GUESS MY COMBINATION.":PRINT
380 PRINT
400 PRINT
520 REM      AND GET NUMBER OF BLACKS AND WHITES
520 S=S+A(I)
550 PRINT "REMAINING ON THE BOARD."
580 PRINT "PLEASE ANSWER 'YES' OR 'NO'."
610 PRINT "O.K.  HOPE YOU HAD FUN!!"
627 PRINT
720 PRINT "NOW I GUESS.  THINK OF A COMBINATION."
999 END
1100 PRINT "I GUESS MY CPU IS JUST HAVING AN OFF DAY."
1160 PRINT "GAME OVER"
1170 PRINT "FINAL SCORE:"
2020 REM
2025 PRINT
2565 PRINT
2580 STOP
3570 Q=Q+1
4570 B=B+1
5010 REM      PRINT SCORE
5040 PRINT "      COMPUTER ";C
5050 PRINT "      HUMAN      ";H
6010 REM      CONVERT Q(1-P9) TO H$(1-P9)

```

### Master Trek  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

\*\*\*\*\*

1. WHEN YOU SEE \COMMAND ?\ PRINTED, ENTER ONE OF THE LEGAL  
LIST OF THE LEGAL COMMANDS PRINTED OUT.

GALAXY TO BEGIN A TOUR OF DUTY AS COMANDER OF THE STARSHIP  
VECTOR ARRANGEMENT AS SHOWN                   . . .  
INTEGER AND REAL VALUES MAY BE                ...  
ITSELF IS EQUIVALENT TO 1.0

COURSE

SHOWS YOU A SCAN OF YOUR PRESENT QUADRANT.  
YOU HAVE > > > >



```

0 PRINT "### Master Trek"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT: PRINT
35 PRINT TAB(10);"*****"
50 REM PO BOX 789-M MORRISTOWN NEW JERSEY 07960
100 PRINT
110 INPUT "NUMBER OF ROUNDS";R9
110 PRINT"1. WHEN YOU SEE \COMMAND ?\ PRINTED, ENTER ONE OF THE LEGAL"
140 PRINT" LIST OF THE LEGAL COMMANDS PRINTED OUT."
290 PRINT
310 PRINT"GALAXY TO BEGIN A TOUR OF DUTY AS COMANDER OF THE STARSHIP"
410 PRINT" VECTOR ARRANGEMENT AS SHOWN . . ."
420 REM UNPACK X$ INTO G$(1-P9)
420 PRINT" INTEGER AND REAL VALUES MAY BE ..."
470 PRINT" ITSELF IS EQUIVALENT TO 1.0"
480 PRINT" COURSE"
530 PRINT
550 PRINT" SHOWS YOU A SCAN OF YOUR PRESENT QUADRANT."
560 PRINT "YOU HAVE ";B;" BLACKS AND ";W;" WHITES."
590 PRINT" >K = FEDERATION STARBASE (REFUEL/REPAIR/RE-ARM HERE!)"
630 PRINT "YOU GUESSED IT IN ";M;" MOVES!"
680 PRINT" IS THE NUMBER OF STARS, THE TENS DIGIT IS THE NUMBER
OF"
690 PRINT" STARBASES, AND THE HUNDREDS DIGIT IS THE NUMBER OF"
700 PRINT" KLINGONS."
750 PRINT" DEplete THEIR SHIELD POWER. (REMBER, KLINGONS HAVE"
820 PRINT" HIS PHASER FIRE. IN EITHER CASE, YOU ARE ALSO SUBJECT TO

830 PRINT
835 PRINT" THE LIBRARY-COMPUTER (<\COM\ COMMAND) HAS AN OPTION TO

880 PRINT" SHIELDS. ENERGY IS TAKEN FROM TOTAL SHIP'S ENERGY.
NOTE"
890 PRINT" THAN THE STATUS DISPLAY TOTAL ENERGY INCLUDES SHIELD
ENERGY"
920 PRINT" GIVES THE STATE OF REPAIR OF ALL DEVICES. WHERE A
NEGATIVE"
940 PRINT "MY GUESS IS: ";
940 PRINT" DAMAGED."
950 PRINT
1000 PRINT" PREVIOUS SHORT AND LONG RANGE SENSOR SCANS"
1010 PRINT" OPTION 1 = STATUS REPORT"
1040 PRINT" OPTION 2 = PHOTON TORPEDO DATA"
1060 PRINT" TO ALL KLINGONS IN YOUR QUADRANT"
1070 PRINT" OPTION 3 = STARBASE NAV DATA"
1140 PRINT" THIS OPTION PRINTS THE NAMES OF THE SIXTEEN MAJOR "
1150 PRINT" GALACTIC REGIONS REFERRED TO IN THE GAME."
2040 REM PRINT "TURN CASSETTE PLAYER OFF AND "
2510 REM QUIT ROUTINE
2520 REM
2550 PRINT A$(X);
3020 REM
3500 REM
3527 Q(S)=1
3560 Q(0)=1
4520 REM MASHES G$ AND A$ IN THE PROCESS
4540 B=0;W=0;F=0
5040 PRINT " COMPUTER ";C
5060 PRINT
5510 REM CONVERT Q(1-P9) INTO G$(1-P9)
6540 G$(S)=H$(S)
9998 REM ...WE'RE SORRY BUT IT'S TIME TO GO...
9999 END

```

### Matches Check

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

SOLITAIRE CHECKER PUZZLE BY DAVID AHL

48 CHECKERS ARE PLACED ON THE 2 OUTSIDE SPACES OF A  
STANDARD 64-SQUARE CHECKERBOARD. THE OBJECT IS TO  
REMOVE AS MANY CHECKERS AS POSSIBLE BY DIAGONAL JUMPS  
INDICATE THE SQUARE YOU WISH TO JUMP FROM AND TO. ON  
THE BOARD PRINTED OUT ON EACH TURN '1' INDICATES A  
QUESTION 'JUMP FROM ?'  
HERE IS THE NUMERICAL BOARD:

> > > >

```

0 PRINT "### Matches Check"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT: PRINT
10 PRINT "SOLITAIRE CHECKER PUZZLE BY DAVID AHL"
15 PRINT
20 PRINT "48 CHECKERS ARE PLACED ON THE 2 OUTSIDE SPACES OF A"
25 PRINT "STANDARD 64-SQUARE CHECKERBOARD. THE OBJECT IS TO"
30 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT "REMOVE AS MANY CHECKERS AS POSSIBLE BY DIAGONAL JUMPS"
40 PRINT "INDICATE THE SQUARE YOU WISH TO JUMP FROM AND TO. ON"
45 PRINT "THE BOARD PRINTED OUT ON EACH TURN 'I' INDICATES A"
60 PRINT "QUESTION 'JUMP FROM ?'"
63 PRINT "HERE IS THE NUMERICAL BOARD:"
75 PRINT TAB(24);J+6;TAB(28);J+7
77 PRINT
78 PRINT "AND HERE IS THE OPENING POSITION OF THE CHECKERS."
79 PRINT
80 PRINT " THIS IS A GAME CALLED '23 MATCHES'."
96 M=0
100 INPUT "JUMP FROM";F
110 PRINT "MATCHES. THE OBJECT OF THE GAME IS NOT TO HAVE TO TAKE"
110 INPUT "TO";T
112 PRINT
120 PRINT "THE LAST MATCH."
130 PRINT
130 F2=F-8*F1
150 T2=T-8*T1
155 PRINT
165 N = 23
170 Q = INT(2*AND(5))
210 PRINT "HEADS! I WIN! HA! HA!"
220 PRINT "PREPARE TO LOSE, MEATBALL-NOSE!!"
230 PRINT
270 PRINT "THE NUMBER OF MATCHES IS NOW" N
290 PRINT "YOUR TURN -- YOU MAY TAKE 1, 2 OR 3 MATCHES."
300 PRINT "HOW MANY DO YOU WISH TO REMOVE",
310 REM *** PRINT BOARD
340 N = N - K
350 PRINT "THERE ARE NOW";N;"MATCHES REMAINING."
370 Z = 4 - K
380 PRINT
380 PRINT
385 Z = 1
390 PRINT "MY TURN ! I REMOVE" Z "MATCHES"
400 N = N - Z
450 PRINT "NOW, HOW MANY MATCHES DO YOU WANT",
470 PRINT
490 PRINT "HA ! HA ! I BEAT YOU !!!"
500 PRINT
510 PRINT "GOOD BYE LOSER!"
520 S=S+A(I)
550 PRINT "LETS PLAY AGAIN AND I'LL BLOW YOUR SHOES OFF !!"
560 STOP
570 END
580 PRINT "PLEASE ANSWER 'YES' OR 'NO'."
600 PRINT
610 PRINT "O.K. HOPE YOU HAD FUN!!"

```

### Matches Football

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
23 MATCHES

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A GAME CALLED '23 MATCHES'.  
MATCHES. THE OBJECT OF THE GAME IS NOT TO HAVE TO TAKE  
THE LAST MATCH.

TAILS! YOU GO FIRST.

HEADS! I WIN! HA! HA!

PLAYS THE LESS YARDAGE GAINED. SCORES ARE GIVEN

BOTH QUESTIONS IS NO IT WILL BE ASSUMED YOU WANT TO  
THE NUMBER OF MATCHES IS NOW

PLEASE INPUT SCORE LIMIT ON GAME? HOW MANY DO YOU WISH TO REMOVE  
> > >

```

0 PRINT "### Matches Football"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 PRINT TAB(31);"23 MATCHES"
30 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
80 PRINT " THIS IS A GAME CALLED '23 MATCHES'."
100 REM
110 PRINT "MATCHES. THE OBJECT OF THE GAME IS NOT TO HAVE TO TAKE"
120 PRINT "THE LAST MATCH."
130 PRINT
165 N = 23
190 PRINT "TAILS! YOU GO FIRST. "
195 PRINT
210 PRINT "HEADS! I WIN! HA! HA!"
220 PRINT "PLAYS THE LESS YARDAGE GAINED. SCORES ARE GIVEN"
230 PRINT
250 PRINT "I TAKE 2 MATCHES"
250 PRINT "BOTH QUESTIONS IS NO IT WILL BE ASSUMED YOU WANT TO"
260 N = N - 2
270 PRINT "THE NUMBER OF MATCHES IS NOW" N
280 PRINT
290 PRINT:PRINT "PLEASE INPUT SCORE LIMIT ON GAME":INPUT E
300 PRINT "HOW MANY DO YOU WISH TO REMOVE",
340 N = N - K
350 PRINT "THERE ARE NOW";N;"MATCHES REMAINING."
370 Z = 4 - K
380 PRINT
385 Z = 1
390 PRINT "MY TURN ! I REMOVE" Z "MATCHES"
430 PRINT "VERY FUNNY! DUMMY!"
440 PRINT "DO YOU WANT TO PLAY OR GOOF AROUND?"
440 REM
470 PRINT
490 PRINT "HA ! HA ! I BEAT YOU !!!"
500 PRINT
530 PRINT "YOU WON, FLOPPY EARS !"
540 PRINT "THINK YOU'RE PRETTY SMART !"
550 PRINT "LETS PLAY AGAIN AND I'LL BLOW YOUR SHOES OFF !!"
560 STOP
570 END
630 L=L+20:T=2
650 PRINT "TEAR OFF HERE-----"
690 D(1)=0: D(2)=3: M$(1)="--->": M$(2)="<---"
710 W(1)=-1: W(2)=1: X(1)=100: X(2)=0
720 Y(1)=1: Y(2)=-1: Z(1)=0: Z(2)=100
795 PRINT: PRINT "BALL WENT OUT OF ENDZONE --AUTOMATIC TOUCHBACK--"
870 P=Z(T)-W(T)*20
1160 PRINT: PRINT "CONVERSION UNSUCCESSFUL TEAM";T:T=T(T)
1480 PRINT:PRINT "RUNBACK TEAM";T;R;"YARDS"
1650 F=INT(35*AND(1)+20)
1735 PRINT "BALL WENT WIDE"
1792 DATA "DOUBLE REVERSE","LEFT SWEEP","RIGHT SWEEP","OFF TACKLE"
1900 PRINT TAB(D(T)+5+P/2);M$(T)
2000 END

```

### Matches Gunner

GUNNER  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A GAME CALLED '23 MATCHES'.  
WHEN IT IS YOUR TURN, YOU MAY TAKE ONE, TWO, OR THREE  
MATCHES. THE OBJECT OF THE GAME IS NOT TO HAVE TO TAKE  
THE LAST MATCH.  
YOU ARE THE OFFICER-IN-CHARGE, GIVING ORDERS TO A GUN  
CREW, TELLING THEM THE DEGREES OF ELEVATION YOU ESTIMATE  
WILL PLACE A PROJECTILE ON TARGET. A HIT WITHIN 100 YARDS  
MAXIMUM RANGE OF YOUR GUN IS 49039 YARDS.

> > > >

```

0 PRINT "### Matches Gunner"
10 PRINT TAB(30);"GUNNER"
20 PRINT TAB(31);"23 MATCHES"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
40 PRINT:PRINT:PRINT
80 PRINT " THIS IS A GAME CALLED '23 MATCHES'."
100 PRINT "WHEN IT IS YOUR TURN, YOU MAY TAKE ONE, TWO, OR THREE"
110 PRINT "MATCHES. THE OBJECT OF THE GAME IS NOT TO HAVE TO TAKE"
120 PRINT "THE LAST MATCH."
130 PRINT
130 PRINT "YOU ARE THE OFFICER-IN-CHARGE, GIVING ORDERS TO A GUN"
140 PRINT "CREW, TELLING THEM THE DEGREES OF ELEVATION YOU ESTIMATE"
150 PRINT "WILL PLACE A PROJECTILE ON TARGET. A HIT WITHIN 100 YARDS"
160 REM
165 N = 23
170 Q = INT(2*RND(5))
170 R=INT(40000*RND(1)+20000)
180 PRINT "MAXIMUM RANGE OF YOUR GUN IS";R;" YARDS."
185 Z=0
190 PRINT "TAILS! YOU GO FIRST. "
190 PRINT
195 PRINT
195 S1=0
200 T=INT(R*(.1+.8*RND(1)))
210 PRINT "HEADS! I WIN! HA! HA!"
210 S=0
230 PRINT
230 PRINT "MINIMUM ELEVATION IS ONE DEGREE."
250 PRINT "I TAKE 2 MATCHES"
250 PRINT "MAXIMUM ELEVATION IS 89 DEGREES."
260 N = N - 2
280 PRINT
300 PRINT "HOW MANY DO YOU WISH TO REMOVE",
310 INPUT K
320 PRINT "*** TARGET DESTROYED *** ";S;"ROUNDS OF AMMUNITION
EXPENDED."
340 N = N - K
340 Z=Z+1
345 PRINT
370 Z = 4 - K
370 PRINT "DISTANCE TO THE TARGET IS "T;" YARDS."
380 PRINT
380 PRINT
381 Z = 3
385 Z = 1
390 PRINT
400 INPUT "ELEVATION";B
430 PRINT "VERY FUNNY! DUMMY!"
440 PRINT "DO YOU WANT TO PLAY OR GOOF AROUND?"
444 PRINT:PRINT "BOOM !!!! YOU HAVE JUST BEEN DESTROYED ";
450 B2=2*B/57.3 : I=R*SIN(B2) : X=T-I : E=INT(X)
470 PRINT
490 PRINT : PRINT : PRINT "TOTAL ROUNDS EXPENDED WERE:";S1
500 PRINT : INPUT "TRY AGAIN (Y OR N)";Z$
530 PRINT "YOU WON, FLOPPY EARS !"
540 PRINT "THINK YOU'RE PRETTY SMART !"
999 END

```

```
### Math Weekday
      CREATIVE COMPUTING MORRISTOWN, NEW JERSEY
```

THIS PROGRAM GENERATES SUCCESSIVE PICTURES OF TWO DICE.  
WHEN TWO DICE AND AN EQUAL SIGN FOLLOWED BY A QUESTION  
TO CONCLUDE THE LESSON, TYPE CONTROL-C AS YOUR ANSWER.

WEEKDAY IS A COMPUTER DEMONSTRATION THAT  
GIVES FACTS ABOUT A DATE OF INTEREST TO YOU.

I \* \* I

I       I

ENTER DAY OF BIRTH (OR OTHER DAY OF INTEREST)? Not enough values input  
- redo from start

? Not enough values input - redo from start

? Not enough values input - redo from start

?

?

? >



```

0 PRINT "### Math Weekday"
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
40 PRINT "THIS PROGRAM GENERATES SUCCESSIVE PICTURES OF TWO DICE."
50 PRINT "WHEN TWO DICE AND AN EQUAL SIGN FOLLOWED BY A QUESTION"
70 PRINT "TO CONCLUDE THE LESSON, TYPE CONTROL-C AS YOUR ANSWER."
80 PRINT
100 N=N+1
100 PRINT "WEEKDAY IS A COMPUTER DEMONSTRATION THAT"
110 D=INT(6*RND(1)+1)
110 PRINT"GIVES FACTS ABOUT A DATE OF INTEREST TO YOU."
160 PRINT "I * * I"
200 PRINT "I      I"
240 PRINT"ENTER DAY OF BIRTH (OR OTHER DAY OF INTEREST)";
250 INPUT M,D,Y
260 PRINT "I      I"
260 PRINT
310 PRINT "I * * I"
320 LET Y2=INT(Y/100)
330 PRINT "I      * I"
350 PRINT "I      I"
380 PRINT "      +"
380 LET T1=INT(Y-FNAC(Y)*4)
410 LET B=6
420 LET B = B-1
500 T=D+A
510 PRINT "          =";
520 INPUT T1
540 PRINT "NO, COUNT THE SPOTS AND GIVE ANOTHER ANSWER."
541 PRINT "          =";
550 INPUT T2
550 PRINT M;" "/"D;" "/"Y;" WILL BE A ";
570 PRINT "NO, THE ANSWER IS";T
590 PRINT "RIGHT!"
600 PRINT
601 PRINT "THE DICE ROLL AGAIN..."
615 N=0
730 PRINT
770 LET I6= I6-1
800 LET I5=I5-1
810 LET I6=I6+12
880 LET K5 = I5
1020 PRINT "YOU HAVE PLAYED",
1050 PRINT "YOU HAVE PLAYED/STUDIED",
1100 PRINT
1220 PRINT
1230 PRINT
1300 PRINT "NOT PREPARED TO GIVE DAY OF WEEK PRIOR TO MDLXXXII. "
1340 REM THIS IS THE CURRENT DATE USED IN THE CALCULATIONS.
1380 LET I5 = INT(K1/365)
1460 LET K7=K7+30
1590 END

```

### Mugwump Guess

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?

I'M THINKING OF A NUMBER BETWEEN 1 AND 2

NOW YOU TRY TO GUESS WHAT IT IS.

? TOO LOW. TRY A BIGGER ANSWER.

TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 2 TRIES.

YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2

VERY GOOD.

IS DISTANCE ABOVE HOMEBASE.

YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL

> >

```

0 PRINT "### Mugwump Guess"
1 PRINT TAB(33);"MUGWUMP"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 DIM P(4,2)
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1))+1
20 PRINT "THE OBJECT OF THIS GAME IS TO FIND FOUR MUGWUMPS"
20 INPUT N
30 PRINT "HIDDEN ON A 10 BY 10 GRID. HOMEBASE IS POSITION 0,0."
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH"
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "NUMBER BETWEEN 0 AND 9, INCLUSIVE. FIRST NUMBER"
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "IS DISTANCE TO RIGHT OF HOMEBASE AND SECOND NUMBER"
60 PRINT "GOOD."
70 PRINT "IS DISTANCE ABOVE HOMEBASE."
71 PRINT
90 PRINT "YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL"
99 END
100 PRINT "YOU HOW FAR YOU ARE FROM EACH MUGWUMP."
250 T=0
270 PRINT
275 PRINT
360 PRINT "YOU HAVE FOUND MUGWUMP";I
390 PRINT "YOU ARE";(INT(D*10))/10;"UNITS FROM MUGWUMP";I
450 PRINT "YOU GOT THEM ALL IN";T;"TURNS!"
480 PRINT
490 PRINT "SORRY, THAT'S 10 TRIES. HERE IS WHERE THEY'RE HIDING:"
600 PRINT "THAT WAS FUN! LET'S PLAY AGAIN....."
610 PRINT "FOUR MORE MUGWUMPS ARE NOW IN HIDING."
1020 P(I,J)=INT(10*RND(1))
1099 END

```

### Mugwump Hammurabi  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH  
IS DISTANCE TO RIGHT OF HOMEBASE AND SECOND NUMBER  
IS DISTANCE ABOVE HOMEBASE.  
TRY YOUR HAND AT GOVERNING ANCIENT SUMERIA  
YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL  
YOU HOW FAR YOU ARE FROM EACH MUGWUMP.  
> > > >

```

0 PRINT "### Mugwump Hammurabi"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 REM      COURTESY PEOPLE'S COMPUTER COMPANY
10 DIM P(4,2)
30 PRINT "HIDDEN ON A 10 BY 10 GRID.  HOMEBASE IS POSITION 0,0."
30 PRINT:PRINT:PRINT
40 PRINT "ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH"
60 PRINT "1ST DISTANCE TO RIGHT OF HOMEBASE AND SECOND NUMBER"
70 PRINT "1ST DISTANCE ABOVE HOMEBASE."
80 PRINT
80 PRINT "TRY YOUR HAND AT GOVERNING ANCIENT SUMERIA"
90 PRINT "YOU GET 10 TRIES.  AFTER EACH TRY, I WILL TELL"
95 D1=0: P1=0
100 PRINT "YOU NOW FAR YOU ARE FROM EACH MUGWUMP."
110 Y=3: A=H/Y: I=5: Q=1
217 PRINT "IN YEAR";Z;";";D;"PEOPLE STARVED";I;"CAME TO THE CITY";
228 P=INT(P/2)
232 PRINT "THE CITY NOW OWNS ";A;"ACRES."
235 PRINT "YOU HARVESTED";Y;"BUSHEL PER ACRE."
250 T=0
260 T=T+1
260 PRINT "YOU NOW HAVE ";S;"BUSHEL IN STORE.": PRINT
275 PRINT
290 PRINT "TURN NO.":T;"-- WHAT IS YOUR GUESS";
300 INPUT M,N
340 PRINT "HOW MANY ACRES DO YOU WISH TO SELL";
350 A=A-Q: S=S+Y*Q: C=0
360 PRINT "YOU HAVE FOUND MUGWUMP";I
380 D=SQR((P(I,1)-M)^2+(P(I,2)-N)^2)
410 PRINT "HOW MANY BUSHEL DO YOU WISH TO FEED YOUR PEOPLE";
411 INPUT Q
430 S=S-Q: C=C+1: PRINT
440 PRINT
444 REM *** TRYING TO PLANT MORE ACRES THAN YOU OWN?
450 PRINT "YOU GOT THEM ALL IN";T;"TURNS!"
490 PRINT "SORRY, THAT'S 10 TRIES.  HERE IS WHERE THEY'RE HIDING:"
540 C=INT(Q/20)
553 P1=((Z-1)*P1+D*100/P)/2
560 PRINT "MUGWUMP";I;"IS AT (";P(I,1);";";P(I,2);")"
560 PRINT: PRINT "YOU STARVED";D;"PEOPLE IN ONE YEAR!!!"
600 PRINT "THAT WAS FUN! LET'S PLAY AGAIN....."
610 PRINT "FOUR MORE MUGWUMPS ARE NOW IN HIDING."
710 PRINT "HAMURABI:  THINK AGAIN.  YOU HAVE ONLY"
800 C=INT(RND(1)*5)+1
855 PRINT "GET YOURSELF ANOTHER STEWARD!!!!!"
860 PRINT "IN YOUR 10-YEAR TERM OF OFFICE,";P1;"PERCENT OF THE"
865 PRINT D1;"PEOPLE DIED!!!": L=A/P
1020 P(I,J)=INT(10*RND(1))
1099 END

```

\*\*\* Mugwump King

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THE OBJECT OF THIS GAME IS TO FIND FOUR MUGWUMPS  
HIDDEN ON A 10 BY 10 GRID. HOMEBASE IS POSITION 0,0.  
ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH  
SQUARE MILE TO PLANT.  
NUMBER BETWEEN 0 AND 9, INCLUSIVE. FIRST NUMBER  
IS DISTANCE ABOVE HOMEBASE.

YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL  
YOU HOW FAR YOU ARE FROM EACH MUGWUMP.  
LAND CURRENTLY COSTS> > > >

```

0 PRINT "### Mugwump King"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
10 DIM P(4,2)
20 PRINT "THE OBJECT OF THIS GAME IS TO FIND FOUR MUGWUMPS"
30 PRINT "HIDDEN ON A 10 BY 10 GRID. HOMEBASE IS POSITION 0,0."
40 PRINT "ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH"
42 PRINT "SQUARE MILE TO PLANT."
50 PRINT "NUMBER BETWEEN 0 AND 9, INCLUSIVE. FIRST NUMBER"
70 PRINT "IS DISTANCE ABOVE HOMEBASE."
80 PRINT
90 PRINT "YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL"
100 PRINT "YOU HOW FAR YOU ARE FROM EACH MUGWUMP."
155 PRINT "LAND CURRENTLY COSTS";V9;"BALLODS PER SQUARE MILE TO PLANT."
162 PRINT
200 PRINT "HOW MANY SQUARE MILES DO YOU WISH TO SELL TO INDUSTRY";
210 INPUT H
275 PRINT
290 PRINT "TURN NO.":T;"-- WHAT IS YOUR GUESS";
300 INPUT M,N
300 D=INT(D-H)
350 P(I,1)=-1
360 PRINT "YOU HAVE FOUND MUGWUMP";I
380 D=SQR((P(I,1)-M)^2+(P(I,2)-N)^2)
390 PRINT "YOU ARE";(INT(D*10))/10;"UNITS FROM MUGWUMP";I
410 PRINT "HOW MANY SQUARE MILES DO YOU WISH TO PLANT";
423 PRINT "    SORRY, BUT EACH COUNTRYMAN CAN ONLY PLANT 2 SQ. MILES."
427 PRINT "    SORRY, BUT YOU'VE ONLY";D-1000;"SQ. MILES OF FARM LAND."
440 PRINT
480 PRINT
490 PRINT "SORRY, THAT'S 10 TRIES. HERE IS WHERE THEY'RE HIDING:"
560 PRINT "MUGWUMP";I;"IS AT (",P(I,1);",",P(I,2);")"
580 PRINT
600 PRINT "THAT WAS FUN! LET'S PLAY AGAIN....."
610 PRINT "FOUR MORE MUGWUMPS ARE NOW IN HIDING."
617 PRINT "OF THE GAME)."
1020 P(I,J)=INT(10*RND(1))
1099 END
1194 B=INT(B-B5)
1250 P1=INT(((I/100-B)/10)+(K/25)-((2000-D)/50)-(F1/2))
1290 B=INT(B+P1)
1330 PRINT " YOU HARVESTED ";INT(J-U2);"SQ. MILES OF CROPS."
1380 PRINT "MAKING";INT(Q);"BALLODS."
1405 U2=INT((2000-D)*15)
1435 G1=10*RND(1)
1562 PRINT "OF COUNTRYMEN. AS A MINORITY, THEY HAVE REVOLTED AND"
1576 PRINT "RESIDING IN PRISON."
1580 PRINT "YOU HAVE BEEN ASSASSINATED."
1807 PRINT
1900 PRINT
1920 PRINT "CONGRATULATIONS!!!!!!!!!!!!!!!!!"
1935 PRINT "NEVERTHELESS, IT'S QUITE AN ACHIEVEMENT. GOODBYE AND GOOD"
1945 PRINT "PLAYS THIS GAME."
1961 INPUT X5
1990 PRINT "HOW MANY SQUARE MILES OF LAND";

```

### Mugwump Life

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

ENTER YOUR PATTERN:

THE OBJECT OF THIS GAME IS TO FIND FOUR MUGWUMPS  
HIDDEN ON A 10 BY 10 GRID. HOMEBASE IS POSITION 0,0.  
NUMBER BETWEEN 0 AND 9, INCLUSIVE. FIRST NUMBER

> > > >



```

0 PRINT "### Mugwump Life"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
6 PRINT: PRINT: PRINT
8 PRINT "ENTER YOUR PATTERN:"
9 X1=1: Y1=1: X2=24: Y2=70
10 DIM A(24,70),B$(24)
20 PRINT "THE OBJECT OF THIS GAME IS TO FIND FOUR MUGWUMPS"
30 PRINT "HIDDEN ON A 10 BY 10 GRID.  HOMEBASE IS POSITION 0,0."
50 PRINT "NUMBER BETWEEN 0 AND 9, INCLUSIVE.  FIRST NUMBER"
60 PRINT "IS DISTANCE TO RIGHT OF HOMEBASE AND SECOND NUMBER"
60 C=C+1
70 PRINT "IS DISTANCE ABOVE HOMEBASE."
80 C=C-1: L=0
120 X1=11-C/2
130 Y1=33-L/2
200 PRINT:PRINT:PRINT
215 X3=24:Y3=70:X4=1: Y4=1: P=0
220 G=G+1
250 T=0
260 T=T+1
270 PRINT
299 X1=X3: X2=X4: Y1=Y3: Y2=Y4
300 INPUT M,N
309 P=0
350 P(I,1)=-1
360 PRINT "YOU HAVE FOUND MUGWUMP";I
390 PRINT "YOU ARE";(INT(D*10))/10;"UNITS FROM MUGWUMP";I
440 PRINT
450 PRINT "YOU GOT THEM ALL IN";T;"TURNS!"
480 PRINT
560 PRINT "MUGWUMP";I;"IS AT (";P(I,1);",";P(I,2);")"
600 PRINT "THAT WAS FUN! LET'S PLAY AGAIN....."
1020 P(I,J)=INT(10*RND(1))
1099 END

```

### Mugwump Poetry

MUGWUMP

POETRY/  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

IS DISTANCE TO RIGHT OF HOMEBASE AND SECOND NUMBER  
IS DISTANCE ABOVE HOMEBASE.

NEVERMORE,  
> > > >

```

0 PRINT "### Mugwump Poetry"
1 PRINT TAB(33);"MUGWUMP"
3 PRINT:PRINT:PRINT
4 REM      COURTESY PEOPLE'S COMPUTER COMPANY
10 DIM P(4,2)
10 PRINT TAB(30);"POETRY"
20 PRINT "THE OBJECT OF THIS GAME IS TO FIND FOUR MUGWUMPS"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT "HIDDEN ON A 10 BY 10 GRID. HOMEBASE IS POSITION 0,0."
30 PRINT:PRINT:PRINT
60 PRINT "IS DISTANCE TO RIGHT OF HOMEBASE AND SECOND NUMBER"
70 PRINT "IS DISTANCE ABOVE HOMEBASE."
80 PRINT
110 PRINT
135 PRINT "NEVERMORE";
211 PRINT ",":U=2
214 PRINT : U=0
215 I=INT(INT(10*RND(1))/2)+1
220 J=J+1 : K=K+1
235 PRINT "      ";
250 T=0
260 T=T+1
275 PRINT
290 PRINT "TURN NO.":T;"-- WHAT IS YOUR GUESS";
300 INPUT M,N
350 P(I,1)=-1
360 PRINT "YOU HAVE FOUND MUGWUMP";I
380 D=SQR((P(I,1)-M)^2+(P(I,2)-N)^2)
390 PRINT "YOU ARE";(INT(D*10))/10;"UNITS FROM MUGWUMP";I
440 PRINT
450 PRINT "YOU GOT THEM ALL IN";T;"TURNS!"
480 PRINT
580 PRINT
610 PRINT "FOUR MORE MUGWUMPS ARE NOW IN HIDING."
1020 P(I,J)=INT(10*RND(1))
1099 END

```

\*\*\* Mugwump Poker

MUGWUMP

HIDDEN ON A 10 BY 10 GRID. HOMEBASE IS POSITION 0,0.  
NUMBER BETWEEN 0 AND 9, INCLUSIVE. FIRST NUMBER  
IS DISTANCE ABOVE HOMEBASE.  
YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL  
YOU HOW FAR YOU ARE FROM EACH MUGWUMP.

YOUR HAND:

TURN NO.0-- WHAT IS YOUR GUESS> > > >

```

0 PRINT "### Mugwump Poker"
1 PRINT TAB(33);"MUGWUMP"
3 PRINT:PRINT:PRINT
30 PRINT "HIDDEN ON A 10 BY 10 GRID. HOMEBASE IS POSITION 0,0."
50 PRINT "NUMBER BETWEEN 0 AND 9, INCLUSIVE. FIRST NUMBER"
70 PRINT "IS DISTANCE ABOVE HOMEBASE."
90 PRINT "YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL"
100 PRINT "YOU HOW FAR YOU ARE FROM EACH MUGWUMP."
110 PRINT
250 T=0
260 T=T+1
260 PRINT "YOUR HAND:"
270 N=1
275 PRINT
290 PRINT "TURN NO.":T;"-- WHAT IS YOUR GUESS";
350 P(I,1)=-1
360 PRINT "YOU HAVE FOUND MUGWUMP";I
380 D=SQR((P(I,1)-M)^2+(P(I,2)-N)^2)
390 PRINT "YOU ARE";(INT(D*10))/10;"UNITS FROM MUGWUMP";I
450 PRINT "YOU GOT THEM ALL IN";T;"TURNS!"
480 PRINT
490 PRINT "SORRY, THAT'S 10 TRIES. HERE IS WHERE THEY'RE HIDING:"
560 PRINT "MUGWUMP";I;"IS AT (":P(I,1);",";P(I,2);")"
580 PRINT
600 PRINT "THAT WAS FUN! LET'S PLAY AGAIN....."
610 PRINT "FOUR MORE MUGWUMPS ARE NOW IN HIDING."
610 K=V
780 PRINT "YOU WIN."
1020 P(I,J)=INT(10*RND(1))
1070 PRINT
1099 END
1230 Z=2
1380 PRINT "I'LL CHECK"
1430 K=V
1590 H$=J$
1910 PRINT
2150 PRINT " SPADES",
2280 I$="H IN"
2350 A(Z)=A(K)
2630 D=A(N+4)
2840 I$=" "
2890 U=12
3070 INPUT T
3280 V=5
3370 K=G
3430 V=G-K+FNA(0)
3450 PRINT "I'LL SEE YOU, AND RAISE YOU"V
3690 PRINT H$:I$:
3840 PRINT "YOU CAN'T BET WITH WHAT YOU HAVEN'T GOT."
3990 INPUT J$
4090 PRINT "YOUR WAD IS SHOT. SO LONG, SUCKER!"
4100 END

```

### HugJump Super

CREATIVE COMPUTING MUGWUMP  
MORRISTOWN, NEW JERSEY

```

      *
      *      * * SUPER STAR TREK * *      *
ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH
IS DISTANCE ABOVE HOMEBASE.
1. WHEN YOU SEE \COMMAND ?\ PRINTED, ENTER ONE OF THE LEGAL
    THE GALAXY IS DIVIDED INTO AN 8 X 8 QUADRANT GRID,
PLANETS.
> > > >

```

```

0 PRINT "### Mugwump Super"
1 PRINT TAB(33);"MUGWUMP"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 REM COURTESY PEOPLE'S COMPUTER COMPANY
10 DIM P(4,2)
22 PRINT TAB(10);"*"
30 PRINT "HIDDEN ON A 10 BY 10 GRID. HOMEBASE IS POSITION 0,0."
30 PRINT TAB(10);"* * * SUPER STAR TREK * * *"
40 PRINT "ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH"
50 PRINT "NUMBER BETWEEN 0 AND 9, INCLUSIVE. FIRST NUMBER"
50 REM POKE 1229,2:POKE 1237,3:NULL 1
70 PRINT "IS DISTANCE ABOVE HOMEBASE."
110 PRINT"1. WHEN YOU SEE \COMMAND ?\ PRINTED, ENTER ONE OF THE LEGAL"
250 T=0
260 T=T+1
270 PRINT
270 PRINT" THE GALAXY IS DIVIDED INTO AN 8 X 8 QUADRANT GRID,"
275 PRINT
340 PRINT"PLANETS."
350 P(I,1)=-1
360 PRINT "YOU HAVE FOUND MUGWUMP";I
370 PRINT" YOU HAVE THE FOLLOWING COMMANDS AVAILABLE TO YOU AS"
CAPTAIN"
380 D=SQR((P(I,1)-M)^2+(P(I,2)-N)^2)
390 PRINT "YOU ARE";(INT(D*10))/10;"UNITS FROM MUGWUMP";I
390 PRINT"\NAV\ COMMAND = WARP ENGINE CONTROL --"
440 PRINT" WAY BETWEEN 1 AND 2 ..."
450 PRINT "YOU GOT THEM ALL IN";T;"TURNS!"
480 PRINT
490 PRINT "SORRY, THAT'S 10 TRIES. HERE IS WHERE THEY'RE HIDING:"
555 PRINT
560 PRINT "MUGWUMP";I;"IS AT (";P(I,1);",";P(I,2);")"
580 PRINT
600 PRINT "THAT WAS FUN! LET'S PLAY AGAIN....."
610 PRINT "FOUR MORE MUGWUMPS ARE NOW IN HIDING."
620 PRINT
690 PRINT" STARBASES, AND THE HUNDREDS DIGIT IS THE NUMBER OF"
740 PRINT" ZAPPING THEM WITH SUITABLY LARGE UNITS OF ENERGY TO"
760 PRINT" PHASERS TOO!"
770 PRINT
880 PRINT" SHIELDS. ENERGY IS TAKEN FROM TOTAL SHIP'S ENERGY."
NOTE"
900 PRINT
930 PRINT" 'STATE OF REPAIR' SHOWS THAT THE DEVICE IS TEMPORARILY"
950 PRINT
960 PRINT"\COM\ COMMAND = LIBRARY-COMPUTER"
980 PRINT" OPTION 0 = CUMULATIVE GALACTIC RECORD"
1020 P(I,J)=INT(10*RND(1))
1030 PRINT" AND STARBASES REMAINING IN THE GAME."
1040 PRINT" OPTION 2 = PHOTON TORPEDO DATA"
1050 PRINT" WHICH GIVES DIRECTIONS AND DISTANCE FROM THE"
ENTERPRISE"
1060 PRINT" TO ALL KLINGONS IN YOUR QUADRANT"
1080 PRINT" THIS OPTION GIVES DIRECTION AND DISTANCE TO ANY "
1099 END
1100 PRINT" OPTION 4 = DIRECTION/DISTANCE CALCULATOR"
1150 PRINT" GALACTIC REGIONS REFERRED TO IN THE GAME."
1990 REM POKE 1229,0:POKE 1237,1:NULL 0
2040 REM PRINT "TURN CASSETTE PLAYER OFF AND "
2050 REM PRINT "TYPE 'RUN' WHEN COMPUTER PRINTS 'OK'"

```

### Mugwump Target

MUGWUMP

TARGET  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH  
NUMBER BETWEEN 0 AND 9, INCLUSIVE. FIRST NUMBER  
IS DISTANCE ABOVE HOMEBASE.  
YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL  
YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE  
ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD  
OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,  
THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z  
DESTROYED!

GOOD LUCK!!

RADIANS FROM X AXIS =2.452084791677252 FROM Z AXIS =3.399309052721719

TARGET SIGHTED: APPROXIMATE COORDINATES: X=14311.4730053612  
Y=-11799.939277540845 Z=-70373.027268767  
> > > >



```

0 PRINT "### Mugwump Target"
1 PRINT TAB(33);"MUGWUMP"
3 PRINT:PRINT:PRINT
4 REM      COURTESY PEOPLE'S COMPUTER COMPANY
10 PRINT TAB(33);"TARGET"
20 PRINT "THE OBJECT OF THIS GAME IS TO FIND FOUR MUGWUMPS"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT "HIDDEN ON A 10 BY 10 GRID. HOMEBASE IS POSITION 0,0."
30 PRINT:PRINT:PRINT
40 PRINT "ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH"
50 PRINT "NUMBER BETWEEN 0 AND 9, INCLUSIVE. FIRST NUMBER"
70 PRINT "IS DISTANCE ABOVE HOMEBASE."
90 PRINT "YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL"
100 PRINT "YOU HOW FAR YOU ARE FROM EACH MUGWUMP."
100 R=1: R1=57.296: P=3.14159
110 PRINT
110 PRINT "YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE"
130 PRINT "ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD"
150 PRINT "OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,"
160 PRINT "THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z"
190 PRINT "DESTROYED!":PRINT:PRINT "GOOD LUCK!":PRINT:PRINT
220 A=AND(1)*2*P: B=AND(1)*2*P: Q=INT(A*R1): W=INT(B*R1)
250 T=0
260 T=T+1
260 PRINT "RADIAN FROM X AXIS =";A;" FROM Z AXIS =";B
270 PRINT
275 PRINT
280 P1=100000*AND(1)+AND(1): X=SIN(B)*COS(A)*P1: Y=SIN(B)*SIN(A)*P1
290 PRINT "TURN NO.":T;"-- WHAT IS YOUR GUESS";
290 Z=COS(B)*P1
340 PRINT "TARGET SIGHTED: APPROXIMATE COORDINATES: X=";X;" Y=";Y;"
Z=";Z
350 P(I,1)=-1
375 P3=P1
380 D=SQR((P(I,1)-M)^2+(P(I,2)-N)^2)
390 PRINT "YOU ARE";(INT(D*10))/10;"UNITS FROM MUGWUMP";I
390 PRINT " ESTIMATED DISTANCE:";P3
400 PRINT:PRINT "INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z,
DISTANCE";
450 PRINT "YOU GOT THEM ALL IN";T;"TURNS!"
480 PRINT
510 D=((X1-X)^2+(Y1-Y)^2+(Z1-Z)^2)^(1/2)
550 PRINT "DISTANCE OF EXPLOSION FROM TARGET WAS";D;"KILOMETERS."
560 PRINT "MUGWUMP";I;"IS AT (";P(I,1);";";P(I,2);";)"
570 PRINT:PRINT "MISSION ACCOMPLISHED IN ";R;" SHOTS."
600 PRINT "THAT WAS FUN! LET'S PLAY AGAIN....."
730 PRINT "SHOT BEHIND TARGET";-X2;"KILOMETERS."
770 PRINT "SHOT TO RIGHT OF TARGET";-Y2;"KILOMETERS."
810 PRINT "SHOT BELOW TARGET";-Z2;"KILOMETERS."
820 PRINT "APPROX POSITION OF EXPLOSION: X=";X1;" Y=";Y1;" Z=";Z1
999 END
1020 P(I,J)=INT(10*AND(1))
1099 END

```

### Nim Target

CREATIVE COMPUTING      TARGET  
MORRISTOWN, NEW JERSEY

YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE  
OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,  
THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z  
AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET.  
DESTROYED!

GOOD LUCK!!

> > > >

```

0 PRINT "### Nim Target"
10 PRINT TAB(33);"TARGET"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT: PRINT: PRINT
110 PRINT "YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE"
150 PRINT "OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,"
160 PRINT "THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z"
170 PRINT "AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET."
190 PRINT "DESTROYED!": PRINT: PRINT "GOOD LUCK!":PRINT: PRINT
220 A=RNDC(1)*2*P: B=RNDC(1)*2*P: Q=INT(A*R1): W=INT(B*R1)
240 INPUT Z$
260 PRINT "RADIAN5 FROM X AXIS =";A;" FROM Z AXIS =";B
280 P1=100000*RNDC(1)+RNDC(1): X=SIN(B)*COS(A)*P1: Y=SIN(B)*SIN(A)*P1
290 PRINT "PLEASE ANSWER YES OR NO"
290 Z=COS(B)*P1
330 PRINT "THE MACHINE ALTERNATELY. ON YOUR TURN, YOU MAY TAKE"
340 PRINT "ALL THE OBJECTS THAT REMAIN IN ANY PILE, BUT YOU MUST"
340 PRINT "TARGET SIGHTED: APPROXIMATE COORDINATES: X=";X;" Y=";Y;"
Z=";Z
370 PRINT "WINNING IS DEFINED AS TAKING OR NOT TAKING THE LAST OBJECT,"
375 P3=P1
380 PRINT "THE NUMBER OF PILES IN THE GAME, AND HOW MANY OBJECTS ARE"
390 PRINT " ESTIMATED DISTANCE:";P3
400 PRINT:PRINT "INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z,
DISTANCE";
405 INPUT A1,B1,P2
410 PRINT "THE MACHINE WILL SHOW ITS MOVE BY LISTING EACH PILE AND THE"
420 A1=A1/R1: B1=B1/R1: PRINT "RADIAN5 FROM X AXIS =";A1;" ";
480 X1=P2*SIN(B1)*COS(A1): Y1=P2*SIN(B1)*SIN(A1): Z1=P2*COS(B1)
510 D=((X1-X)^2+(Y1-Y)^2+(Z1-Z)^2)^(1/2)
540 PRINT "ENTER PILE SIZES"
550 PRINT "DISTANCE OF EXPLOSION FROM TARGET WAS";D;"KILOMETERS."
570 PRINT: PRINT "MISSION ACCOMPLISHED IN ";R;" SHOTS."
730 PRINT "SHOT BEHIND TARGET";-X2;"KILOMETERS."
740 LET C=C+1
770 PRINT "SHOT TO RIGHT OF TARGET";-Y2;"KILOMETERS."
810 PRINT "SHOT BELOW TARGET";-Z2;"KILOMETERS."
820 PRINT "APPROX POSITION OF EXPLOSION: X=";X1;" Y=";Y1;" Z=";Z1
980 LET B(I,J)=2*(F-INT(F))
999 END
1040 LET H=0
1070 LET C=C+1
1090 LET H=A(I)
1140 LET E=INT(N*RNDC(1)+1)
1340 LET C=C+1
1450 PRINT "YOUR MOVE - PILE, NUMBER TO BE REMOVED";
1570 LET Z=0

```

### One Tac

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

TIC TAC TOE

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

INDICATE THE SQUARE YOU WISH TO JUMP FROM AND TO. ON  
QUESTION 'JUMP FROM ?'

> > > >

```

0 PRINT "### One Tac"
4 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
6 PRINT: PRINT: PRINT
8 DIM A(64)
10 PRINT "SOLITAIRE CHECKER PUZZLE BY DAVID AHL"
10 PRINT TAB(30);"TIC TAC TOE"
15 PRINT
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
40 PRINT "INDICATE THE SQUARE YOU WISH TO JUMP FROM AND TO.  ON"
50 REM
60 PRINT "QUESTION 'JUMP FROM ?'"
75 PRINT TAB(24);J+6;TAB(28);J+7
79 PRINT
90 A(I)=0
96 M=0
100 REM   THIS PROGRAM PLAYS TIC TAC TOE
112 PRINT
120 PRINT "THE GAME BOARD IS NUMBERED:" PRINT
130 PRINT "1  2  3": PRINT "8  9  4": PRINT "7  6  5"
140 PRINT
150 T2=T-8*T1
160 REM
170 REM
200 REM  MAIN PROGRAM
210 PRINT
230 PRINT "ILLEGAL MOVE.  TRY AGAIN..."
245 REM *** UPDATE BOARD
250 A(T)=1
260 A(F)=0
260 P=M
270 B=FNM(P+1)
290 M=M+1
320 C=FNM(B+4)
360 PRINT A(I);
360 C=FNM(B+2)
370 M=C
400 PRINT
410 D=FNM(C+4)
420 M=D
460 D=FNM(C+7)
470 M=D
490 REM *** END GAME SUMMARY
500 S=0
550 PRINT "REMAINING ON THE BOARD."
550 E=FNM(D+4)
560 M=E
580 REM
590 E=FNM(D+6)
600 PRINT
600 M=E
620 PRINT "THE GAME IS A DRAW."
660 PRINT "YOUR MOVE";
700 PRINT "COMPUTER MOVES";M
730 PRINT "AND WINS *****"
750 END

```

```

### Orbit Batnum
                                ORBIT
                                BATNUM
                                CREATIVE COMPUTING MORRISTOWN, NEW JERSEY
10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN

```

INSTRUMENT YOU CAN TELL HOW NEAR THEIR SHIP YOU  
HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE  
YOUR PLANET'S GRAVITY.

YOUR PLANET HAS ENOUGH POWER TO FIRE ONE BOMB AN HOUR.  
ANGLE (BETWEEN 0 AND 360) AND A DISTANCE IN UNITS OF  
DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN.  
THIS PROGRAM IS A 'BATTLE OF NUMBERS' GAME, WHERE THE  
BELOW IS A DIAGRAM TO HELP YOU VISUALIZE YOUR FLIGHT.

```

                                0000000000000000
                                00000          00000
                                0000          XXXXXXXXXXXXXXXXXXXX          0000
                                0000          XXXXXXXXXXXXXXXXXXXX          0000
180<== 00000          XXXXXXXXXXXXXXXXXXXX          00000 ==>0
                                0000          XXXXXXXXXXXXXXXXXXXX          0000
                                0000000000000000000000

```

```
X - YOUR PLANET
O - THE ORBIT OF THE ROMULAN SHIP
```

AND ORBITAL RATE WILL REMAIN CONSTANT.

ENTER FILE SIZE? > >

```

0 PRINT "### Orbit Batnum"
2 PRINT TAB(33);"ORBIT"
10 PRINT "SOMEWHERE ABOVE YOUR PLANET IS A ROMULAN SHIP."
10 PRINT TAB(33);"BATNUM"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT "10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN"
35 PRINT
50 PRINT "INSTRUMENT YOU CAN TELL HOW NEAR THEIR SHIP YOUR"
60 PRINT "HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE"
65 PRINT "YOUR PLANET'S GRAVITY."
70 PRINT
75 PRINT "YOUR PLANET HAS ENOUGH POWER TO FIRE ONE BOMB AN HOUR."
90 PRINT "ANGLE (BETWEEN 0 AND 360) AND A DISTANCE IN UNITS OF"
100 PRINT "DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN."
110 PRINT "THIS PROGRAM IS A 'BATTLE OF NUMBERS' GAME, WHERE THE"
115 PRINT "BELOW IS A DIAGRAM TO HELP YOU VISUALIZE YOUR FLIGHT."
170 PRINT "
                                0000000000000000"
173 PRINT "
                                00000          00000"
177 PRINT "          0000  XXXXXXXXXXXXXXXXXXXX          0000"
178 PRINT "          0000  XXXXXXXXXXXXXXXXXXXX          0000"
179 PRINT "180<== 00000  XXXXXXXXXXXXXXXXXXXX          00000 ==>0"
180 PRINT "          0000  XXXXXXXXXXXXXXXXXXXX          0000"
187 PRINT "                                00000000000000000000"
195 PRINT "X - YOUR PLANET"
196 PRINT "O - THE ORBIT OF THE ROMULAN SHIP"
200 PRINT "WITHOUT SUFFICIENT POWER THE ROMULAN SHIP'S ALTITUDE"
200 PRINT
210 PRINT "AND ORBITAL RATE WILL REMAIN CONSTANT."
230 PRINT
280 D=INT(200*RND(1)+200)
300 H=0
320 H=H+1
325 PRINT
330 INPUT "ENTER PILE SIZE":N
360 INPUT D1
390 A=A-360
430 C=SQR(D*D+D1*D1-2*D*D1*COS(T*3.14159/180))
445 PRINT "ROMULAN SHIP."
490 PRINT "YOU HAVE ALLOWED THE ROMULANS TO ESCAPE."
490 INPUT "ENTER START OPTION - 1 COMPUTER FIRST, 2 YOU FIRST ";S
500 PRINT "ANOTHER ROMULAN SHIP HAS GONE INTO ORBIT."
510 PRINT "DO YOU WISH TO TRY TO DESTROY IT";
620 Q=Q-1
690 W=1
760 P=B
770 N=N-P
780 PRINT "COMPUTER TAKES";P;"AND LEAVES";N
790 W=0
810 PRINT:PRINT "YOUR MOVE ";
970 PRINT "TOUGH LUCK, YOU LOSE."
980 W=1
999 END
1040 N=N+P
1060 W=0
1080 END

```

### Orbit Change

CHANGE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

I, YOUR FRIENDLY MICROCOMPUTER, WILL DETERMINE  
COST OF ITEM? AMOUNT OF PAYMENT? THE SHIP IS IN A CONSTANT POLAR  
ORBIT. ITS  
DISTANCE FROM THE CENTER OF YOUR PLANET IS FROM  
10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN

YOU ARE UNABLE TO SEE THEM, BUT WITH A SPECIAL  
INSTRUMENT YOU CAN TELL HOW NEAR THEIR SHIP YOUR  
HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE

YOUR PLANET HAS ENOUGH POWER TO FIRE ONE BOMB AN HOUR.  
AT THE BEGINNING OF EACH HOUR YOU WILL BE ASKED TO GIVE AN  
SORRY, YOU HAVE SHORT-CHANGED ME \$-1  
DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN.  
AN EXPLOSION WITHIN 5,000 MILES OF THE ROMULAN SHIP

YOUR CHANGE, \$> >



```

0 PRINT "### Orbit Change"
2 PRINT TAB(33);"CHANGE"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
5 PRINT:PRINT:PRINT
6 PRINT "I, YOUR FRIENDLY MICROCOMPUTER, WILL DETERMINE"
10 PRINT "COST OF ITEM";INPUT A:PRINT "AMOUNT OF PAYMENT";INPUT P
20 PRINT "THE SHIP IS IN A CONSTANT POLAR ORBIT. ITS"
25 PRINT "DISTANCE FROM THE CENTER OF YOUR PLANET IS FROM"
30 PRINT "10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN"
35 PRINT
45 PRINT "YOU ARE UNABLE TO SEE THEM, BUT WITH A SPECIAL"
50 PRINT "INSTRUMENT YOU CAN TELL HOW NEAR THEIR SHIP YOUR"
60 PRINT "HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE"
70 PRINT
75 PRINT "YOUR PLANET HAS ENOUGH POWER TO FIRE ONE BOMB AN HOUR."
85 PRINT "AT THE BEGINNING OF EACH HOUR YOU WILL BE ASKED TO GIVE AN"
95 PRINT "SORRY, YOU HAVE SHORT-CHANGED ME $";A-P
100 PRINT "DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN."
110 PRINT "AN EXPLOSION WITHIN 5,000 MILES OF THE ROMULAN SHIP"
116 PRINT
120 PRINT "YOUR CHANGE, $";C
150 PRINT D;"TEN DOLLAR BILL(S)"
155 C=M-(D*10)
170 PRINT "
172 PRINT "
177 PRINT "
180 PRINT "
181 PRINT "
182 PRINT "
184 PRINT "
185 C=M-(D*10+E*5)
190 PRINT "
190 F=INT(C)
192 PRINT
197 PRINT
198 PRINT "ON THE ABOVE DIAGRAM, THE ROMULAN SHIP IS CIRCLING"
210 PRINT F;"ONE DOLLAR BILL(S)"
215 C=M-(D*10+E*5+F)
220 C=C*100
225 N=C
230 G=INT(C/50)
250 PRINT G;"ONE HALF DOLLAR(S)"
255 C=N-(G*50)
280 PRINT H;"QUARTER(S)"
285 C=N-(G*50+H*25)
290 I=INT(C/10)
310 PRINT I;"DIME(S)"
315 C=N-(G*50+H*25+I*10)
330 PRINT "THIS IS HOUR";H;" AT WHAT ANGLE DO YOU WISH TO SEND"
335 PRINT "YOUR PHOTON BOMB";
340 INPUT A1
340 PRINT J;"NICKEL(S)"
345 C=N-(G*50+H*25+I*10+J*5)
350 PRINT "HOW FAR OUT DO YOU WISH TO DETONATE IT";
350 K=INT(C+.5)
390 PRINT:PRINT
400 T=ABS(A-A1)
420 T=360-T
445 PRINT "ROMULAN SHIP."
500 PRINT "ANOTHER ROMULAN SHIP HAS GONE INTO ORBIT."
510 PRINT "DO YOU WISH TO TRY TO DESTROY IT";
520 INPUT C$
999 END

```



```

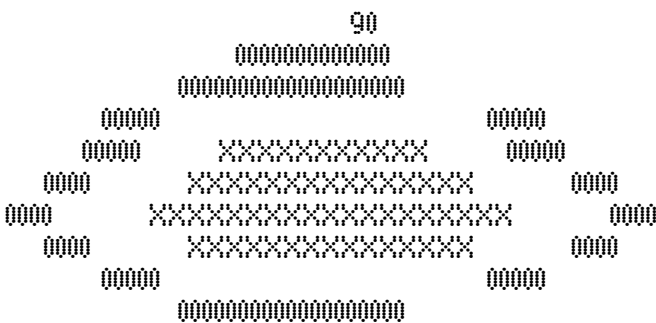
0 PRINT "### Orbit Hockey"
2 PRINT TAB(33);"ORBIT"
2 PRINT TAB(33);"HOCKEY"
20 PRINT "THE SHIP IS IN A CONSTANT POLAR ORBIT. ITS"
31 PRINT "CIRCLE YOUR PLANET ONCE EVERY 12 TO 36 HOURS."
35 PRINT
45 PRINT "YOU ARE UNABLE TO SEE THEM, BUT WITH A SPECIAL"
50 PRINT "WOULD YOU LIKE THE INSTRUCTIONS";INPUT C$
55 PRINT "PHOTON BOMB EXPLODED. YOU HAVE SEVEN HOURS UNTIL THEY"
60 PRINT "HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE"
65 PRINT "YOUR PLANET'S GRAVITY."
70 PRINT
75 PRINT "YOUR PLANET HAS ENOUGH POWER TO FIRE ONE BOMB AN HOUR."
90 PRINT "ANGLE (BETWEEN 0 AND 360) AND A DISTANCE IN UNITS OF"
95 PRINT "100 MILES (BETWEEN 100 AND 300), AFTER WHICH YOUR BOMB'S"
116 PRINT
130 PRINT "WOULD THE " A$(7) " COACH ENTER HIS TEAM"
150 PRINT "WOULD THE " B$(7) " COACH DO THE SAME"
168 PRINT "
90"
171 PRINT "
00000000000000000000"
172 PRINT "
000000 000000"
181 PRINT "
0000 XXXXXXXXXXXXXXXXXXXX 0000"
182 PRINT "
0000 XXXXXXXXXXXXXXXXXXXX 0000"
183 PRINT "
00000 XXXXXXXXXXXXXXXX 00000"
185 PRINT "
00000 00000 00000"
187 PRINT "
00000000000000000000"
188 PRINT "
00000000000000"
197 PRINT
270 A=INT(360*RND(1))
280 D=INT(200*RND(1)+200)
300 H=0
335 PRINT "YOUR PHOTON BOMB";
350 PRINT "HOW FAR OUT DO YOU WISH TO DETONATE IT";
360 INPUT D1
366 PRINT
400 PRINT " LET'S A BOOMER GO FROM THE RED LINE!!"
420 PRINT " FLIPS A WRISTSHOT DOWN THE ICE"
430 C=SQR(D*D+D1*D1-2*D*D1*COS(T*3.14159/180))
440 PRINT "YOUR PHOTON BOMB EXPLODED";C;"*10^2 MILES FROM THE"
470 PRINT "YOU HAVE SUCCESSFULLY COMPLETED YOUR MISSION."
500 PRINT "ANOTHER ROMULAN SHIP HAS GONE INTO ORBIT."
510 PRINT "DO YOU WISH TO TRY TO DESTROY IT";
650 PRINT B$(H(J-1)) " HITS " B$(H(J-2)) " FLYING DOWN THE LEFT SIDE"
700 PRINT B$(H(J-1)) " DROPS TO " B$(H(J-3))
720 PRINT " A 3 ON 2 ' WITH A ' TRAILER '!"
730 PRINT B$(H(J-4)) " GIVES TO " B$(H(J-2)) " WHO SHUFFLES IT OFF TO"
740 PRINT B$(H(J-1)) " WHO FIRES A WING TO WING PASS TO "
860 PRINT " SNAPS OFF A SNAP SHOT"
1100 PRINT "GOAL SCORED BY: " B$(G);
1330 PRINT "WHISTLES ONE OVER THE HEAD OF " B$(6)
1390 PRINT "STICK SAVE BY " A$(6)
1470 PRINT "STICK SAVE BY " A$(6) " AND HE CLEARS IT OUT HIMSELF"
1720 PRINT: PRINT "THIS IS A SIMULATED HOCKEY GAME."
1740 PRINT "PASS TYPE IN THE NUMBER OF PASSES YOU WOULD"
1910 PRINT "LEFT WING, CENTER, RIGHT WING, LEFT DEFENSE,"
1920 PRINT "RIGHT DEFENSE, GOALKEEPER. ANY OTHER INPUT REQUIRED WILL"
1950 END

```

### Orbit Horserace

THE SHIP IS IN A CONSTANT POLAR ORBIT. ITS  
CIRCLE YOUR PLANET ONCE EVERY 12 TO 36 HOURS.

100 MILES (BETWEEN 100 AND 300), AFTER WHICH YOUR BOMB'S  
DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN.  
WILL DESTROY IT.



WELCOME TO SOUTH PORTLAND HIGH RACETRACK  
GOOD LUCK. THE FEDERATION IS COUNTING ON YOU.  
DURING THE RACE, A HORSE WILL BE SHOWN BY ITS  
NUMBER. THE HORSES RACE DOWN THE PAPER!  
HOW MANY WANT TO BET  
THIS IS HOUR> > > >

```

0 PRINT "### Orbit Horserace"
6 PRINT:PRINT:PRINT
20 PRINT "THE SHIP IS IN A CONSTANT POLAR ORBIT. ITS"
31 PRINT "CIRCLE YOUR PLANET ONCE EVERY 12 TO 36 HOURS."
35 PRINT
70 PRINT
95 PRINT "100 MILES (BETWEEN 100 AND 300), AFTER WHICH YOUR BOMB'S"
100 PRINT "DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN."
105 PRINT
111 PRINT "WILL DESTROY IT."
114 PRINT
116 PRINT
120 PRINT:PRINT:PRINT
168 PRINT "
170 PRINT "
171 PRINT "
173 PRINT "
174 PRINT "
176 PRINT "
180 PRINT "
182 PRINT "
185 PRINT "
187 PRINT "
210 PRINT "AND ORBITAL RATE WILL REMAIN CONSTANT."
210 DIM S(8)
220 PRINT "WELCOME TO SOUTH PORTLAND HIGH RACETRACK"
230 PRINT "GOOD LUCK. THE FEDERATION IS COUNTING ON YOU."
270 A=INT(360*AND(1))
290 PRINT "DURING THE RACE, A HORSE WILL BE SHOWN BY ITS"
300 PRINT "NUMBER. THE HORSES RACE DOWN THE PAPER!"
320 PRINT "HOW MANY WANT TO BET";
326 PRINT
330 PRINT "THIS IS HOUR";H;"; AT WHAT ANGLE DO YOU WISH TO SEND"
335 PRINT "YOUR PHOTON BOMB";
340 INPUT A1
340 PRINT "WHEN ? APPEARS,TYPE NAME"
360 INPUT D1
365 PRINT
366 PRINT
370 A=A+R
390 PRINT"HORSE";";"NUMBER";"ODDS"
420 LET R=0
430 C=SQR(D*D+D1*D1-2*D*D1*COS(T*3.14159/180))
470 LET R=R+D(A)
490 PRINT "YOU HAVE ALLOWED THE ROMULANS TO ESCAPE."
490 LET V$(1)="JOE MAW"
510 PRINT "DO YOU WISH TO TRY TO DESTROY IT";
520 INPUT C$
670 PRINT" YOU CAN'T DO THAT!"
700 PRINT
920 LET Y(MI)=4
940 LET Y(MI)=5
960 LET Y(MI)=6
999 END
1000 LET S(MI)=S(MI)+Y(MI)
1060 LET H=MI
1130 LET B=S(MI)-S(MI-1)
1190 PRINT MI;
1242 PRINT
1244 PRINT "-----"
1310 PRINT Z9;"PLACE HORSE NO.";F;"AT ";R/D(F);";1"
1350 LET N=Q(I)
1360 PRINT W$(J);" WINS $";(R/D(N))*P(J)

```

### Orbit One

SOMEWHERE ABOVE YOUR PLANET IS A ROMULAN SHIP.

STANDARD 64-SQUARE CHECKERBOARD. THE OBJECT IS TO REMOVE AS MANY CHECKERS AS POSSIBLE BY DIAGONAL JUMPS INDICATE THE SQUARE YOU WISH TO JUMP FROM AND TO. ON THE BOARD PRINTED OUT ON EACH TURN '1' INDICATES A CHECKER AND '0' AN EMPTY SQUARE. WHEN YOU HAVE NO POSSIBLE JUMPS REMAINING, INPUT A '0' IN RESPONSE TO QUESTION 'JUMP FROM ?' YOUR PLANET'S GRAVITY.

> > > >

```

0 PRINT "### Orbit One"
6 PRINT: PRINT: PRINT
8 DIM A(64)
10 PRINT "SOMEWHERE ABOVE YOUR PLANET IS A ROMULAN SHIP."
15 PRINT
25 PRINT "STANDARD 64-SQUARE CHECKERBOARD. THE OBJECT IS TO"
30 PRINT "10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN"
30 PRINT "REMOVE AS MANY CHECKERS AS POSSIBLE BY DIAGONAL JUMPS"
40 PRINT "INDICATE THE SQUARE YOU WISH TO JUMP FROM AND TO. ON"
45 PRINT "YOU ARE UNABLE TO SEE THEM, BUT WITH A SPECIAL"
45 PRINT "THE BOARD PRINTED OUT ON EACH TURN 'I' INDICATES A"
50 PRINT "CHECKER AND 'O' AN EMPTY SQUARE. WHEN YOU HAVE NO"
55 PRINT "POSSIBLE JUMPS REMAINING, INPUT A 'O' IN RESPONSE TO"
60 PRINT "HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE"
60 PRINT "QUESTION 'JUMP FROM ?'"
65 PRINT "YOUR PLANET'S GRAVITY."
66 PRINT
75 PRINT TAB(24);J+6;TAB(28);J+7
77 PRINT
78 PRINT "AND HERE IS THE OPENING POSITION OF THE CHECKERS."
85 PRINT "AT THE BEGINNING OF EACH HOUR YOU WILL BE ASKED TO GIVE AN"
90 A(I)=0
95 PRINT "100 MILES (BETWEEN 100 AND 300), AFTER WHICH YOUR BOMB'S"
96 M=0
110 PRINT "AN EXPLOSION WITHIN 5,000 MILES OF THE ROMULAN SHIP"
110 INPUT "TO";T
112 PRINT
114 PRINT
115 PRINT "BELOW IS A DIAGRAM TO HELP YOU VISUALIZE YOUR FLIGHT."
117 PRINT
130 F2=F-8*A1
150 T2=T-8*T1
170 PRINT "
172 PRINT "
173 PRINT "
174 PRINT "
176 PRINT "
178 PRINT "
179 PRINT "180<== 00000
182 PRINT "
192 PRINT
200 PRINT "WITHOUT SUFFICIENT POWER THE ROMULAN SHIP'S ALTITUDE"
230 PRINT "GOOD LUCK. THE FEDERATION IS COUNTING ON YOU."
270 A=INT(360*AND(1))
320 H=H+1
326 PRINT
330 PRINT "THIS IS HOUR";H;"; AT WHAT ANGLE DO YOU WISH TO SEND"
340 INPUT A1
365 PRINT
366 PRINT
370 A=A+R
390 A=A-360
440 PRINT "YOUR PHOTON BOMB EXPLODED";C;";*10^2 MILES FROM THE"
445 PRINT "ROMULAN SHIP."
490 REM *** END GAME SUMMARY
510 PRINT "DO YOU WISH TO TRY TO DESTROY IT";
520 INPUT C$
560 PRINT
580 PRINT "PLEASE ANSWER 'YES' OR 'NO'."
999 END
999 END

```

### Orbit Poetry

ORBIT

POETRY

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

INSTRUMENT YOU CAN TELL HOW NEAR THEIR SHIP YOUR  
YOUR PLANET'S GRAVITY.

DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN.  
WILL DESTROY IT.

NEVERMORE

90

```

      0000000000000000
    00000000000000000000
  00000  XXXXXXXXXXXXXXXX 00000
    0000  XXXXXXXXXXXXXXXX 0000
  0000   XXXXXXXXXXXXXXXX 0000
0000    XXXXXXXXXXXXXXXX 0000
      00000 0000000000000000
        0000000000000000
          0000000000000000

```

0 - THE ORBIT OF THE ROMULAN SHIP  
WITHOUT SUFFICIENT POWER THE ROMULAN SHIP'S ALTITUDE  
'  
> > > >



```

0 PRINT "### Orbit Poetry"
2 PRINT TAB(33);"ORBIT"
6 PRINT:PRINT:PRINT
10 PRINT TAB(30);"POETRY"
15 PRINT
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
35 PRINT
50 PRINT "INSTRUMENT YOU CAN TELL HOW NEAR THEIR SHIP YOUR"
65 PRINT "YOUR PLANET'S GRAVITY."
70 PRINT
100 PRINT "DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN."
111 PRINT "WILL DESTROY IT."
114 PRINT
116 PRINT
117 PRINT
135 PRINT "NEVERMORE";
168 PRINT "
170 PRINT "
171 PRINT "
175 PRINT "
176 PRINT "
177 PRINT "
178 PRINT "
185 PRINT "
186 PRINT "
188 PRINT "
196 PRINT "O - THE ORBIT OF THE ROMULAN SHIP"
200 PRINT "WITHOUT SUFFICIENT POWER THE ROMULAN SHIP'S ALTITUDE"
211 PRINT "":U=2
214 PRINT : U=0
215 I=INT(INT(10*RND(1))/2)+1
220 J=J+1 : K=K+1
235 PRINT "
270 A=INT(360*RND(1))
290 R=INT(20*RND(1)+10)
320 H=H+1
350 PRINT "HOW FAR OUT DO YOU WISH TO DETONATE IT";
390 A=A-360
420 T=360-T
445 PRINT "ROMULAN SHIP."
470 PRINT "YOU HAVE SUCCESSFULLY COMPLETED YOUR MISSION."
510 PRINT "DO YOU WISH TO TRY TO DESTROY IT";
520 INPUT C$
999 END
999 END

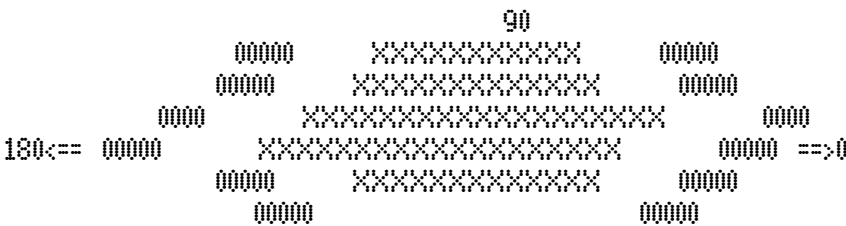
```

### Orbit Poker  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

SOMEWHERE ABOVE YOUR PLANET IS A ROMULAN SHIP.

DISTANCE FROM THE CENTER OF YOUR PLANET IS FROM  
HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE

AN EXPLOSION WITHIN 5,000 MILES OF THE ROMULAN SHIP



X - YOUR PLANET

AND ORBITAL RATE WILL REMAIN CONSTANT.  
YOUR HAND:

THIS IS HOUR> > > >

```

0 PRINT "### Orbit Poker"
4 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
6 PRINT:PRINT:PRINT
10 PRINT "SOMEWHERE ABOVE YOUR PLANET IS A ROMULAN SHIP."
15 PRINT
25 PRINT "DISTANCE FROM THE CENTER OF YOUR PLANET IS FROM"
60 PRINT "HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE"
105 PRINT
110 PRINT "AN EXPLOSION WITHIN 5,000 MILES OF THE ROMULAN SHIP"
114 PRINT
116 PRINT
120 LET P=0
140 PRINT
168 PRINT "
174 PRINT "          90"
175 PRINT "          00000  XXXXXXXXXXXXX  00000"
178 PRINT "          00000  XXXXXXXXXXXXXXXX  00000"
178 PRINT "          0000  XXXXXXXXXXXXXXXXXXXXXXXX  0000"
179 PRINT "180<== 00000  XXXXXXXXXXXXXXXXXXXXXXXX  00000 ==>0"
183 PRINT "          00000  XXXXXXXXXXXXXXXX  00000"
185 PRINT "          00000  00000"
192 PRINT
195 PRINT "X - YOUR PLANET"
197 PRINT
210 PRINT "AND ORBITAL RATE WILL REMAIN CONSTANT."
260 PRINT "YOUR HAND:"
270 A=INT(360*RND(1))
280 D=INT(200*RND(1)+200)
325 PRINT
330 PRINT "THIS IS HOUR";H;". AT WHAT ANGLE DO YOU WISH TO SEND"
335 PRINT "YOUR PHOTON BOMB";
340 INPUT A1
350 PRINT "HOW FAR OUT DO YOU WISH TO DETONATE IT";
366 PRINT
370 A=A+A
390 A=A-360
400 T=ABS(A-A1)
445 PRINT "ROMULAN SHIP."
470 PRINT "YOU HAVE SUCCESSFULLY COMPLETED YOUR MISSION."
510 PRINT "DO YOU WISH TO TRY TO DESTROY IT";
520 INPUT C$
690 PRINT "NOW I HAVE $"C"AND YOU HAVE $"S
920 INPUT U
1040 PRINT "I AM TAKING"Z-10-T"CARD";
1400 U=Z+FNA(0)
1480 J$=H$
1880 PRINT " OF";
1950 K=FNB(A(2))
1970 PRINT "JACK";
2220 U=U+1
2260 D=A(N)
2410 X=0
2830 H$="THREE"
3050 G=0
3060 PRINT:PRINT "WHAT IS YOUR BET";
3360 PRINT "I'LL SEE YOU."
3370 K=G
3570 C=C+50
3670 PRINT "I'M BUSTED. CONGRATULATIONS!"
3860 PRINT "WOULD YOU LIKE TO SELL YOUR WATCH";
3870 INPUT J$
4060 S=S+25

```

### Orbit Word

WORD

SOMEWHERE ABOVE YOUR PLANET IS A ROMULAN SHIP.  
CLUES TO HELP YOU GET IT. GOOD LUCK!!

DISTANCE FROM THE CENTER OF YOUR PLANET IS FROM

YOU ARE STARTING A NEW GAME...

YOU ARE UNABLE TO SEE THEM, BUT WITH A SPECIAL  
INSTRUMENT YOU CAN TELL HOW NEAR THEIR SHIP YOUR  
PHOTON BOMB EXPLODED. YOU HAVE SEVEN HOURS UNTIL THEY  
HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE

BELOW IS A DIAGRAM TO HELP YOU VISUALIZE YOUR FLIGHT.

> > > >

```

0 PRINT "### Orbit Word"
2 PRINT TAB(33);"WORD"
10 PRINT "SOMEWHERE ABOVE YOUR PLANET IS A ROMULAN SHIP."
15 PRINT
15 PRINT "CLUES TO HELP YOU GET IT.  GOOD LUCK!!": PRINT: PRINT
20 REM
25 PRINT "DISTANCE FROM THE CENTER OF YOUR PLANET IS FROM"
30 PRINT "10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN"
30 PRINT: PRINT: PRINT "YOU ARE STARTING A NEW GAME..."
45 PRINT "YOU ARE UNABLE TO SEE THEM, BUT WITH A SPECIAL"
50 PRINT "INSTRUMENT YOU CAN TELL HOW NEAR THEIR SHIP YOUR"
55 PRINT "PHOTON BOMB EXPLODED.  YOU HAVE SEVEN HOURS UNTIL THEY"
60 PRINT "HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE"
105 PRINT
115 PRINT "BELOW IS A DIAGRAM TO HELP YOU VISUALIZE YOUR FLIGHT."
117 PRINT
144 P(J)=0
150 PRINT "GUESS A FIVE LETTER WORD":
160 INPUT L$
170 G=G+1
172 PRINT "
173 PRINT "
175 PRINT "
176 PRINT "
178 PRINT "
184 PRINT "
185 PRINT "
186 PRINT "
187 PRINT "
188 PRINT "
192 PRINT
197 PRINT
200 PRINT "WITHOUT SUFFICIENT POWER THE ROMULAN SHIP'S ALTITUDE"
205 M=0: Q=1
231 P(Q)=L(J)
240 A(J)=L(J)
250 M=M+1
270 A=INT(360*RND(1))
280 PRINT "THERE WERE";M;"MATCHES AND THE COMMON LETTERS WERE...";P$
285 PRINT "FROM THE EXACT LETTER MATCHES, YOU KNOW.....";A$
289 PRINT
290 R=INT(20*RND(1)+10)
310 PRINT "THE SECRET WORD IS ";S$: PRINT
326 PRINT
340 INPUT A1
370 A=A+R
390 A=A-360
430 C=SQR(D*D+D1*D1-2*D*D1*COS(T*3.14159/180))
445 PRINT "ROMULAN SHIP."
470 PRINT "YOU HAVE SUCCESSFULLY COMPLETED YOUR MISSION."
490 PRINT "YOU HAVE ALLOWED THE ROMULANS TO ESCAPE."
500 PRINT "ANOTHER ROMULAN SHIP HAS GONE INTO ORBIT."
510 PRINT "DO YOU WISH TO TRY TO DESTROY IT";
510 INPUT "WANT TO PLAY AGAIN":Q$
530 DATA 12,"DINKY","SMOKE","WATER","GRASS","TRAIN","MIGHT","FIRST"
999 END

```

### Pizza Bombs

YOU ARE A PILOT IN A WORLD WAR II BOMBER.

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

YOUR TARGET -- ALBANIA(1), GREECE(2), NORTH AFRICA(3)WHAT IS YOUR FIRST NAME

HI, 3. IN THIS GAME YOU ARE TO TAKE ORDERS  
WHERE TO DELIVER THE ORDERED PIZZAS.

AIRCRAFT -- LIBERATOR(1), B-29(2), B-17(3), LANCASTER(4)YOUR FIRST KAMIKAZE  
MISSION<Y OR N>MAP OF THE CITY OF HYATTSVILLE

-----1-----2-----3-----4-----

NEARING VERSAILLES. DUCK SOUP. THEY'RE NEARLY DEFENSELESS.

HOW MANY MISSIONS HAVE YOU FLOWN

HOW MANY MISSIONS HAVE YOU FLOWN>

```

0 PRINT "### Pizza Bombs"
8 PRINT "YOU ARE A PILOT IN A WORLD WAR II BOMBER."
10 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 INPUT "YOUR TARGET -- ALBANIA(1), GREECE(2), NORTH AFRICA(3)";B
50 INPUT "WHAT IS YOUR FIRST NAME";N$: PRINT
80 PRINT "HI, ";N$;". IN THIS GAME YOU ARE TO TAKE ORDERS"
100 PRINT "WHERE TO DELIVER THE ORDERED PIZZAS.": PRINT: PRINT
110 INPUT "AIRCRAFT -- LIBERATOR(1), B-29(2), B-17(3), LANCASTER(4)";G
200 DATA "A","B","C","D","E","F","G","H","I","J","K","L","M","N","O"
205 INPUT "YOUR FIRST KAMIKAZE MISSION(<Y OR N>);F$
210 DATA "P","1","2","3","4"
230 PRINT "MAP OF THE CITY OF HYATTSVILLE": PRINT
250 PRINT " -----1-----2-----3-----4-----"
260 K=4
270 PRINT "NEARING VERSAILLES. DUCK SOUP. THEY'RE NEARLY DEFENSELESS."
285 INPUT "HOW MANY MISSIONS HAVE YOU FLOWN";D
320 PRINT M$(K);
325 PRINT "DIRECT HIT!!!! "INT(100*AND(1))"KILLED."
330 S1=16-4*I+1
330 PRINT "MISSED TARGET BY"INT(2+30*AND(1))"MILES!"
340 PRINT " ";S$(S1);" ";S$(S1+1);" ";S$(S1+2);" ";
340 INPUT "DOES THE ENEMY HAVE GUNS(1), MISSILES(2), OR BOTH(3)";R
355 INPUT "WHAT'S THE PERCENT HIT RATE OF ENEMY GUNNERS (10 TO 50)";S
358 PRINT
380 K=K-1
384 PRINT "YOU HAVE BEEN SHOT DOWN....."
386 PRINT "DEARLY BELOVED, WE ARE GATHERED HERE TODAY TO PAY OUR"
390 PRINT:PRINT:PRINT:INPUT "ANOTHER MISSION (<Y OR N>);U$
400 PRINT "CHICKEN !!!" : PRINT : END
440 PRINT " -----1-----2-----3-----4-----": PRINT
460 PRINT "THE OUTPUT IS A MAP OF THE HOMES WHERE"
470 PRINT "YOU ARE TO SEND PIZZAS.": PRINT
490 PRINT "YOUR JOB IS TO GIVE A TRUCK DRIVER"
500 PRINT "THE LOCATION OR COORDINATES OF THE"
510 PRINT "HOME ORDERING THE PIZZA.": PRINT
650 PRINT "YOUR ANSWER WOULD BE 2,3": PRINT
660 INPUT "UNDERSTAND";A$
690 PRINT "GOOD. YOU ARE NOW READY TO START TAKING ORDERS.": PRINT
760 S=INT(AND(1)*16+1): PRINT
775 PRINT " PLEASE SEND A PIZZA."
780 PRINT " DRIVER TO ";N$;": WHERE DOES ";S$(S);" LIVE";
870 T=A(1)+(A(2)-1)*4
940 PRINT: INPUT "DO YOU WANT TO DELIVER MORE PIZZAS";A$

```

### Pizza Gomoko

GOMOKO  
PIZZA

WELCOME TO THE ORIENTAL GAME OF GOMOKO.

THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE  
PIZZA DELIVERY GAME

DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED

THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON.

WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)? YOUR PLAY (I,J)? Not enough  
values input - redo from start

? Not enough values input - redo from start

?

?

? >



```

0 PRINT "### Pizza Gomoko"
2 PRINT TAB(33);"GOMOKO"
5 PRINT TAB(33);"PIZZA"
10 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
10 PRINT "WELCOME TO THE ORIENTAL GAME OF GOMOKO."
15 PRINT: PRINT: PRINT
20 PRINT: PRINT "THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE"
30 PRINT "PIZZA DELIVERY GAME": PRINT
60 PRINT "DIAGONALLY. ON THE BOARD DIAGRAM, YOUR MOVES ARE MARKED"
80 PRINT "HI, ";N$;". IN THIS GAME YOU ARE TO TAKE ORDERS"
80 PRINT: PRINT "THE COMPUTER DOES NOT KEEP TRACK OF WHO HAS WON."
110 PRINT "WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)";: INPUT N
200 DATA "A","B","C","D","E","F","G","H","I","J","K","L","M","N","O"
260 K=4
310 PRINT "YOUR PLAY (I,J)";: INPUT I,J
315 PRINT
320 PRINT M$(K);
350 PRINT S$(S1+3);"      ";M$(K)
380 K=K-1
400 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
440 PRINT " -----1-----2-----3-----4-----": PRINT
470 PRINT "YOU ARE TO SEND PIZZAS.": PRINT
500 REM *** COMPUTER TRIES AN INTELLIGENT MOVE ***
510 PRINT "HOME ORDERING THE PIZZA.": PRINT
520 INPUT "DO YOU NEED MORE DIRECTIONS";A$
600 REM *** COMPUTER TRIES A RANDOM MOVE ***
620 PRINT "THIS IS J. PLEASE SEND A PIZZA."
640 PRINT "DRIVER TO ";N$;". WHERE DOES J LIVE?"
650 PRINT "YOUR ANSWER WOULD BE 2,3": PRINT
660 INPUT "UNDERSTAND";A$
760 S=INT(RND(1)*16+1): PRINT
775 PRINT " PLEASE SEND A PIZZA."
780 PRINT " DRIVER TO ";N$;": WHERE DOES ";S$(S);" LIVE";
800 REM *** PRINT THE BOARD ***
870 T=A(1)+(A(2)-1)*4
890 PRINT "THIS IS ";S$(T);". I DID NOT ORDER A PIZZA."
900 PRINT "I LIVE AT ";A(1);",";A(2)
940 PRINT: INPUT "DO YOU WANT TO DELIVER MORE PIZZAS";A$
970 PRINT: PRINT "O.K. ";N$;". SEE YOU LATER!":PRINT
999 END

```

### Pizza Slots

CREATIVE COMPUTING PIZZA  
MORRISTOWN, NEW JERSEY

WHAT IS YOUR FIRST NAME  
WHERE TO DELIVER THE ORDERED PIZZAS.

YOU ARE IN THE H&M CASINO,IN FRONT OF ONE OF OUR  
> > >

```

0 PRINT "### Pizza Slots"
5 PRINT TAB(33);"PIZZA"
10 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
15 PRINT: PRINT: PRINT
20 DIM S$(16),M$(4)
30 PRINT "PIZZA DELIVERY GAME": PRINT
30 PRINT: PRINT: PRINT
50 INPUT "WHAT IS YOUR FIRST NAME";N$: PRINT
100 PRINT "WHERE TO DELIVER THE ORDERED PIZZAS.": PRINT: PRINT
120 PRINT "YOU ARE IN THE H&M CASINO,IN FRONT OF ONE OF OUR"
200 DATA "A","B","C","D","E","F","G","H","I","J","K","L","M","N","O"
210 DATA "P","1","2","3","4"
230 LET X=INT(6*RND(1)+1)
250 LET Z=INT(6*RND(1)+1)
260 K=4
320 PRINT M$(K);
330 S1=16-4*I+1
380 K=K-1
400 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
440 PRINT " -----1-----2-----3-----4-----": PRINT
460 PRINT "THE OUTPUT IS A MAP OF THE HOMES WHERE"
490 PRINT "YOUR JOB IS TO GIVE A TRUCK DRIVER"
510 PRINT "YOUR STANDINGS ARE $"P
520 PRINT "AGAIN";
620 PRINT "THIS IS J. PLEASE SEND A PIZZA."
640 PRINT "DRIVER TO ";N$;". WHERE DOES J LIVE?"
670 PRINT "PAY UP! PLEASE LEAVE YOUR MONEY ON THE TERMINAL."
700 PRINT "GOOD LUCK!!": PRINT
780 PRINT " DRIVER TO ";N$;". WHERE DOES ";S$(S);" LIVE";
790 INPUT A(1),A(2)
870 T=A(1)+(A(2)-1)*4
890 PRINT "THIS IS ";S$(T);". I DID NOT ORDER A PIZZA."
999 END
1170 PRINT" BELL"
1190 PRINT" ORANGE"
1230 PRINT" PLUM"
1280 PRINT CHR$(7);
1342 PRINT"YOU WON!"
1343 P=(((2*M)+M)+P)

```

### Pizza Splat

PIZZA

PIZZA DELIVERY GAME

WHAT IS YOUR FIRST NAME

WELCOME TO 'SPLAT' -- THE GAME THAT SIMULATES A PARACHUTE  
WHERE TO DELIVER THE ORDERED PIZZAS.

WHAT TERMINAL VELOCITY (MI/HR)? WANT TO SELECT ACCELERATION DUE TO  
GRAVITY (YES OR NO)?

TERM. VELOCITY =

TIME (SEC)

=====

MAP OF THE CITY OF HYATTSVILLE

-----1-----2-----3-----4-----

>

```

0 PRINT "### Pizza Splat"
5 PRINT TAB(33);"PIZZA"
15 PRINT: PRINT: PRINT
20 DIM S$(16),M$(4)
30 PRINT "PIZZA DELIVERY GAME": PRINT
50 INPUT "WHAT IS YOUR FIRST NAME";N$: PRINT
95 PRINT "WELCOME TO 'SPLAT' -- THE GAME THAT SIMULATES A PARACHUTE"
100 PRINT "WHERE TO DELIVER THE ORDERED PIZZAS.": PRINT: PRINT
123 PRINT "WHAT TERMINAL VELOCITY (MI/HR)";INPUT V1
135 PRINT "WANT TO SELECT ACCELERATION DUE TO GRAVITY (YES OR NO)";
136 INPUT B1$
205 PRINT
207 PRINT "    TERM. VELOCITY    ="V1"FT/SEC +/-5%"
217 PRINT
218 PRINT "TIME (SEC)","DIST TO FALL (FT)"
219 PRINT "-----","-----"
230 PRINT "MAP OF THE CITY OF HYATTSVILLE": PRINT
250 PRINT "  -----1-----2-----3-----4-----"
260 K=4
320 D=D1-((A/2)*I^2)
330 S1=16-4*I+1
340 PRINT "    ";S$(S1);"    ";S$(S1+1);"    ";S$(S1+2);"    ";
350 PRINT S$(S1+3);"    ";M$(K)
400 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
430 PRINT I,D
440 PRINT "  -----1-----2-----3-----4-----": PRINT
500 PRINT "THE LOCATION OR COORDINATES OF THE"
520 INPUT "DO YOU NEED MORE DIRECTIONS";A$
560 K=K+1
580 K1=K1+1
620 PRINT "THIS IS J. PLEASE SEND A PIZZA."
640 PRINT "DRIVER TO ";N$;". WHERE DOES J LIVE?"
650 PRINT "YOUR ANSWER WOULD BE 2,3": PRINT
690 PRINT "GOOD. YOU ARE NOW READY TO START TAKING ORDERS.": PRINT
702 PRINT "YOU DID."
730 PRINT "CONSERVATIVE, AREN'T YOU? YOU RANKED ONLY"K-K1"IN THE"
750 PRINT "HEY! YOU PULLED THE RIP CORD MUCH TOO SOON. "K"SUCCESSFUL"
760 S=INT(RND(1)*16+1): PRINT
770 PRINT "HELLO ";N$;"S PIZZA. THIS IS ";S$(S);".":
775 PRINT " PLEASE SEND A PIZZA."
790 INPUT A(1),A(2)
940 PRINT: INPUT "DO YOU WANT TO DELIVER MORE PIZZAS";A$
970 PRINT: PRINT "O.K. ";N$;". SEE YOU LATER!":PRINT
999 END
2046 END

```

### Pizza Trader  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
PIZZA  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

PIZZA DELIVERY GAME

WHAT IS YOUR FIRST NAME  
MAP OF THE CITY OF HYATTSVILLE

-----1-----2-----3-----4-----  
-  
-  
-  
-

YOUR 190 FURS ARE DISTRIBUTED AMONG THE FOLLOWING  
KINDS OF PELTS: MINK, BEAVER, ERMINE AND FOX.  
> > >

```

0 PRINT "### Pizza Trader"
4 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
5 PRINT TAB(33);"PIZZA"
10 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
15 PRINT: PRINT: PRINT
20 DIM S$(16),M$(4)
30 PRINT "PIZZA DELIVERY GAME": PRINT
50 INPUT "WHAT IS YOUR FIRST NAME";N$: PRINT
210 DATA "P","1","2","3","4"
230 PRINT "MAP OF THE CITY OF HYATTSVILLE": PRINT
250 PRINT "  -----1-----2-----3-----4-----"
260 K=4
280 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
301 PRINT "YOUR 190 FURS ARE DISTRIBUTED AMONG THE FOLLOWING"
302 PRINT "KINDS OF PELTS: MINK, BEAVER, ERMINE AND FOX."
330 S1=16-4*I+1
338 INPUT F(J)
350 PRINT S$(S1+3);"      ";M$(K)
400 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
440 PRINT "  -----1-----2-----3-----4-----": PRINT
470 PRINT "YOU ARE TO SEND PIZZAS.": PRINT
490 PRINT "YOUR JOB IS TO GIVE A TRUCK DRIVER"
500 PRINT "THE LOCATION OR COORDINATES OF THE"
508 PRINT
510 PRINT "HOME ORDERING THE PIZZA.": PRINT
690 PRINT "GOOD.  YOU ARE NOW READY TO START TAKING ORDERS.": PRINT
770 PRINT "HELLO ";N$;"'S PIZZA.  THIS IS ";S$(5);".";
775 PRINT "  PLEASE SEND A PIZZA."
790 INPUT A(1),A(2)
940 PRINT: INPUT "DO YOU WANT TO DELIVER MORE PIZZAS";A$
970 PRINT: PRINT "O.K. ";N$;"; SEE YOU LATER!":PRINT
999 END
1092 PRINT "1776 LEAVING THE LAKE ONTARIO AREA TO SELL FURS AND GET"
1109 PRINT "YOU MUST CROSS THROUGH IROQUOIS LAND."
1174 LET M1=INT((.2*RND(1)+.7)*10^2+.5)/10^2
1175 LET E1=INT((.2*RND(1)+.65)*10^2+.5)/10^2
1177 LET D1=INT((.2*RND(1)+.8)*10^2+.5)/10^2
1218 PRINT "YOUR BEAVER WERE TOO HEAVY TO CARRY ACROSS"
1230 PRINT "YOUR CANOE UPSET IN THE LACHINE RAPIDS.  YOU"
1235 LET F(4)=0
1238 PRINT "NO ONE WILL BUY THEM."
1250 LET I=I-105
1260 LET M1=INT((.15*RND(1)+1.05)*10^2+.5)/10^2
1270 LET P=INT(10*RND(1))+1
1300 PRINT "YOU NARROWLY ESCAPED AN IROQUOIS RAIDING PARTY."
1307 LET M1=M1/2

```

### Poetry Gomoko

GOMOKO  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
POETRY

THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE

INTERSECTION WITH A MARKER. THE OBJECT OF THE GAME IS TO GET  
5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR  
WITH A '1' AND THE COMPUTER MOVES WITH A '2'.  
WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)? NEVERMORE,  
> > >



```

0 PRINT "### Poetry Gomoko"
2 PRINT TAB(33);"GOMOKO"
4 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
10 PRINT TAB(30);"POETRY"
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
20 PRINT: PRINT "THE GAME IS PLAYED ON AN N BY N GRID OF A SIZE"
30 PRINT:PRINT:PRINT
40 PRINT "INTERSECTION WITH A MARKER. THE OBJECT OF THE GAME IS TO GET"
50 PRINT "5 ADJACENT MARKERS IN A ROW -- HORIZONTALLY, VERTICALLY, OR"
70 PRINT "WITH A '1' AND THE COMPUTER MOVES WITH A '2'."
110 PRINT "WHAT IS YOUR BOARD SIZE (MIN 7/ MAX 19)"; INPUT N
135 PRINT "NEVERMORE";
211 PRINT ";":U=2
214 PRINT : U=0
215 I=INT(INT(10*AND(1))/2)+1
220 J=J+1 : K=K+1
235 PRINT " ";
300 PRINT: PRINT "WE ALTERNATE MOVES.  YOU GO FIRST...": PRINT
310 PRINT "YOUR PLAY (I,J)"; INPUT I,J
315 PRINT
440 A(I,J)=1
500 REM *** COMPUTER TRIES AN INTELLIGENT MOVE ***
600 REM *** COMPUTER TRIES A RANDOM MOVE ***
800 REM *** PRINT THE BOARD ***
999 END

```

### Poetry Hurkle

POETRY  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

NEVERMORE

A HURKLE IS HIDING ON A10BY10GRID. HOMEBASE  
ON THE GRID IS POINT 0,0 IN THE SOUTHWEST CORNER,  
AND ANY POINT ON THE GRID IS DESIGNATED BY A  
PAIR OF WHOLE NUMBERS SEPERATED BY A COMMA. THE FIRST  
NUMBER IS THE HORIZONTAL POSITION AND THE SECOND NUMBER  
IS THE VERTICAL POSITION. YOU MUST TRY TO  
GUESS THE HURKLE'S GRIDPOINT. YOU GET5TRIES.  
AFTER EACH TRY, I WILL TELL YOU THE APPROXIMATE

GUESS #> > > >

```

0 PRINT "### Poetry Hurkle"
10 PRINT TAB(30);"POETRY"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
30 PRINT:PRINT:PRINT
110 N=5
120 G=10
135 PRINT "NEVERMORE";
210 PRINT
211 PRINT ",":U=2
214 PRINT : U=0
220 J=J+1 : K=K+1
220 PRINT "A HURKLE IS HIDING ON A";G;"BY";G;"GRID. HOMEBASE"
230 PRINT "ON THE GRID IS POINT 0,0 IN THE SOUTHWEST CORNER,"
235 PRINT " ";
235 PRINT "AND ANY POINT ON THE GRID IS DESIGNATED BY A"
240 PRINT "PAIR OF WHOLE NUMBERS SEPERATED BY A COMMA. THE FIRST"
245 PRINT "NUMBER IS THE HORIZONTAL POSITION AND THE SECOND NUMBER"
246 PRINT "IS THE VERTICAL POSITION. YOU MUST TRY TO"
250 PRINT "GUESS THE HURKLE'S GRIDPOINT. YOU GET";N;"TRIES."
260 PRINT "AFTER EACH TRY, I WILL TELL YOU THE APPROXIMATE"
280 PRINT
286 B=INT(G*AND(1))
320 PRINT "GUESS #";K;
370 PRINT
410 PRINT
430 PRINT "THE HURKLE IS AT ";A;" ";B
440 PRINT
450 PRINT "LET'S PLAY AGAIN, HURKLE IS HIDING."
460 PRINT
500 REM
520 PRINT "YOU FOUND HIM IN";K;"GUESSES!"
610 PRINT "GO ";
640 PRINT "SOUTH";
660 PRINT "NORTH";
710 PRINT "EAST";
720 PRINT
999 END
999 END

```

### Poker Guess

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?

I'M THINKING OF A NUMBER BETWEEN 1 AND 2

NOW YOU TRY TO GUESS WHAT IT IS.

? TOO LOW. TRY A BIGGER ANSWER.

TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 2 TRIES.

YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2

VERY GOOD.

> >

```

0 PRINT "### Poker Guess"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
20 INPUT N
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
71 PRINT
99 END
100 LET C=200
270 N=1
700 PRINT "DO YOU WISH TO CONTINUE";
770 PRINT
1090 PRINT
1150 M=D
1420 PRINT "I'LL BET $"V
1600 I$=K$
2010 PRINT "KING";
2150 PRINT " SPADES",
2290 U=15
2370 A(K)=X
2550 H$="STRAIG"
2560 I$="HT"
2610 X=11110
2770 U=11
2780 H$="A PAIR"
2890 U=12
3360 PRINT "I'LL SEE YOU."
3460 K=G+V
3640 C=C+50
3750 K=FNB(K)
3950 O=O*2

```

### Queen Target

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
TARGET  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD  
THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z  
AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET.

DESTROYED!

GOOD LUCK!!

RADIANS FROM X AXIS =0.9501761102991907 FROM Z AXIS =1.0190654172311093  
TARGET SIGHTED: APPROXIMATE COORDINATES: X=22544.53362950251  
Y=31537.620392199075 Z=23860.651554811306  
ESTIMATED DISTANCE:45521.513476534805

INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z, DISTANCE? Not enough  
values input - redo from start  
? Not enough values input - redo from start  
? Not enough values input - redo from start  
?  
?  
? >

```

0 PRINT "### Queen Target"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
10 PRINT TAB(33);"TARGET"
14 DATA 81, 71, 61, 51, 41, 31, 21, 11
19 DATA 136, 126, 116, 106, 96, 86, 76, 66
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT: PRINT: PRINT
100 R=1: R1=57.296: P=3.14159
130 PRINT "ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD"
160 PRINT "THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z"
170 PRINT "AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET."
175 PRINT
190 PRINT "DESTROYED!": PRINT: PRINT "GOOD LUCK!":PRINT: PRINT
220 A=RNDC(1)*2*P: B=RNDC(1)*2*P: Q=INT(A*R1): W=INT(B*R1)
260 PRINT "RADIANS FROM X AXIS =";A;" FROM Z AXIS =";B
280 P1=100000*RNDC(1)+RNDC(1): X=SIN(B)*COS(A)*P1: Y=SIN(B)*SIN(A)*P1
290 Z=COS(B)*P1
340 PRINT "TARGET SIGHTED: APPROXIMATE COORDINATES: X=";X;" Y=";Y;"
Z=";Z
375 P3=P1
390 PRINT " ESTIMATED DISTANCE:";P3
400 PRINT:PRINT "INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z,
DISTANCE";
405 INPUT A1,B1,P2
420 A1=A1/R1: B1=B1/R1: PRINT "RADIANS FROM X AXIS =";A1;" ";
425 PRINT "FROM Z AXIS =";B1
510 D=((X1-X)^2+(Y1-Y)^2+(Z1-Z)^2)^(1/2)
530 PRINT: PRINT " * * * HIT * * * TARGET IS NON-FUNCTIONAL": PRINT
550 PRINT "DISTANCE OF EXPLOSION FROM TARGET WAS";D;"KILOMETERS."
570 PRINT: PRINT "MISSION ACCOMPLISHED IN ";R;" SHOTS."
730 PRINT "SHOT BEHIND TARGET";-X2;"KILOMETERS."
770 PRINT "SHOT TO RIGHT OF TARGET";-Y2;"KILOMETERS."
810 PRINT "SHOT BELOW TARGET";-Z2;"KILOMETERS."
2080 U=U1
2130 T=T+K
3040 T=T1+1
3050 M=10*T+U
3210 PRINT "Y O U C H E A T . . . TRY AGAIN";
3310 PRINT "C O N G R A T U L A T I O N S . . ."
5060 PRINT "COMPUTER. THE FIRST ONE TO PLACE THE QUEEN THERE WINS."
5110 PRINT "WE ALTERNATE MOVES."
5150 PRINT
5190 PRINT S(I);

```

### Quiz Awari

LITERATURE QUIZ  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

AWARI  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE.

THIS IS A MULTIPLE-CHOICE QUIZ.  
TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK.

GOOD LUCK!

> > > >



```

0 PRINT "### Quiz Awari"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
5 R=0
5 PRINT TAB(34);"AWARI"
7 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
13 PRINT "TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
20 PRINT:PRINT:E=0
30 C=0:F(N)=0:B(13)=0:B(6)=0
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
46 PRINT "VERY GOOD! HERE'S ANOTHER."
47 R=R+1
50 PRINT: PRINT
51 PRINT "FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?"
56 PRINT "PRETTY GOOD!"
60 PRINT: PRINT
61 PRINT "IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED"
70 PRINT:PRINT
71 PRINT "WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE"
72 PRINT "1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY";
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
77 R=R+1
80 PRINT:PRINT
92 PRINT "NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME"
94 PRINT "READING THE NURSERY GREATS."
96 STOP
100 PRINT "WOW! THAT'S SUPER! YOU REALLY KNOW YOUR NURSERY"
120 PRINT "LITERATURE (HA, HA, HA)"
130 STOP
500 PRINT:PRINT" ";
825 L=B(I)+I:R=0
999 END
999 END

```

### Quiz Battle

LITERATURE QUIZ  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE.

GOOD LUCK!

1)TIGGER, 2)CICERO, 3)FIGARO, 4)GUIPETTO✓✓ GOOD! HERE'S ANOTHER.  
1)MR. NIXON'S, 2)ELMER FUDD'S, 3)CLEM JUDD'S, 4)STROMBOLI'SIN THE WIZARD OF  
OS, DOROTHY'S DOG WAS NAMED  
1)CICERO, 2)TRIXIA, 3)KING, 4)TOTO✓✓✓ YOU'RE A REAL LITERATURE GIANT.

WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE  
1)SLEEPING BEAUTY, 2)CINDERELLA, 3)SNOW WHITE, 4)WENDY✓OH, COME ON NOW...IT  
WAS SNOW WHITE.  
GOOD MEMORY!

READING THE NURSERY GREATS.

> > > >

```

0 PRINT "### Quiz Battle"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
5 R=0
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
40 PRINT "IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT"
40 DIM F(6,6),H(6,6),A(4),B(4),C(6),L(3)
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
46 PRINT "VERY GOOD!  HERE'S ANOTHER."
47 R=R+1
52 PRINT "1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S";
57 R=R+1
61 PRINT "IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED"
62 PRINT "1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO";
66 PRINT "YEA!  YOU'RE A REAL LITERATURE GIANT."
67 R=R+1
70 PRINT:PRINT
71 PRINT "WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE"
72 PRINT "1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY";
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
76 PRINT "GOOD MEMORY!"
77 R=R+1
80 PRINT:PRINT
94 PRINT "READING THE NURSERY GREATS."
96 STOP
100 PRINT "WOW!  THAT'S SUPER!  YOU REALLY KNOW YOUR NURSERY"
100 B=INT(6*RND(1)+1)
120 PRINT "LITERATURE (HA, HA, HA)"
150 B(1)=B
290 F(A,B)=9-2*I-J
450 M=2
750 B(1)=B
770 B(2)=0:B(3)=0
950 F(A,B)=9-2*I-J
999 END
1121 L(I)=0
1240 C=X
1380 C(F(R,C))=C(F(R,C))+1
1430 PRINT "AT THAT POINT."
1560 PRINT "WITH A FINAL SPLASH/HIT RATIO OF";S/H
1580 PRINT "CONGRATULATIONS -- A DIRECT HIT EVERY TIME."
1590 PRINT

```

### Quiz Chomp

LITERATURE QUIZ  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
CHOMP

THIS IS A MULTIPLE-CHOICE QUIZ.  
TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK.

GOOD LUCK!

FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?  
1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'SPRETTY GOOD!

IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED  
YEA! YOU'RE A REAL LITERATURE GIANT.

WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE  
1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDYOH, COME ON NOW...IT  
WAS SNOW WHITE.  
GOOD MEMORY!

NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME  
> > > >

```

0 PRINT "### Quiz Chomp"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
5 R=0
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
10 PRINT TAB(33);"CHOMP"
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
13 PRINT "TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
40 PRINT "IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT"
40 DIM A(10,10)
47 R=R+1
50 PRINT: PRINT
51 PRINT "FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?"
52 PRINT "1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S";
56 PRINT "PRETTY GOOD!"
57 R=R+1
60 PRINT: PRINT
61 PRINT "IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED"
66 PRINT "YEA! YOU'RE A REAL LITERATURE GIANT."
67 R=R+1
70 PRINT:PRINT
71 PRINT "WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE"
72 PRINT "1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY";
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
76 PRINT "GOOD MEMORY!"
77 R=R+1
80 PRINT:PRINT
92 PRINT "NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME"
96 STOP
100 PRINT "WOW! THAT'S SUPER! YOU REALLY KNOW YOUR NURSERY"
100 REM *** THE GAME OF CHOMP *** COPYRIGHT PCC 1973 ***
130 STOP
130 PRINT "DO YOU WANT THE RULES (1=YES, 0=NO)";
140 INPUT R
180 C=7
200 PRINT
230 PRINT
250 PRINT "WIDE. YOU INPUT R AND C AT THE START. IN THE UPPER LEFT"
280 PRINT "ROW AND COLUMN OF ONE OF THE SQUARES ON THE COOKIE."
290 PRINT "ALL OF THE SQUARES BELOW AND TO THE RIGHT OF THAT SQUARE"
300 PRINT "(INCLUDING THAT SQUARE, TOO) DISAPPEAR -- CHOMP!"
320 PRINT "OR THAT ARE OUTSIDE THE ORIGINAL DIMENSIONS OF THE COOKIE."
340 PRINT "HERE WE GO..."
360 F=0
600 REM PRINT THE BOARD
620 PRINT TAB(7);"1 2 3 4 5 6 7 8 9"
700 PRINT "P ";
720 PRINT
780 LET I1=I1+1
810 P1=P
920 PRINT "NO FAIR. YOU'RE TRYING TO CHOMP ON EMPTY SPACE!"
999 END
1020 PRINT
1030 PRINT "AGAIN (1=YES, 0=NO)";

```

\*\*\* Quiz Civil

LITERATURE QUIZ  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE.

THIS IS A MULTIPLE-CHOICE QUIZ.

GOOD LUCK!

IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT  
1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO  
VERY GOOD! HERE'S ANOTHER.

FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?  
1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S  
PRETTY GOOD!  
IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED

WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE  
OH, COME ON NOW...IT WAS SNOW WHITE.  
GOOD MEMORY!

NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME  
READING THE NURSERY GREATS.  
> > > >

```

0 PRINT "### Quiz Civil"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
5 R=0
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
20 REM ORIGINAL GAME DESIGN: CRAM, GOODIE, HIBBARD LEXINGTON H.S.
40 PRINT "IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT"
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
46 PRINT "VERY GOOD!  HERE'S ANOTHER."
47 R=R+1
50 PRINT: PRINT
51 PRINT "FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?"
52 PRINT "1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S";
56 PRINT "PRETTY GOOD!"
57 R=R+1
61 PRINT "IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED"
70 PRINT:PRINT
71 PRINT "WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE"
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
76 PRINT "GOOD MEMORY!"
77 R=R+1
80 PRINT:PRINT
92 PRINT "NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME"
94 PRINT "READING THE NURSERY GREATS."
96 STOP
100 PRINT "WOW!  THAT'S SUPER!  YOU REALLY KNOW YOUR NURSERY"
120 PRINT "LITERATURE (HA, HA, HA)"
140 PRINT "YES OR NO -- ";
200 PRINT "RESPONSES COULD CHANGE HISTORY.  FACTS AND FIGURES USED ARE"
430 LET D=1
560 PRINT "(ANSWER YES OR NO)";
570 INPUT X$
700 LET C1=C1(A)
999 END
1195 PRINT
1370 PRINT " - SALARIES..";
1390 LET N=1
1610 REM - FIND MORALE
1620 LET O=((2*F(Z)^2+H(Z)^2)/F1^2+1)
1710 LET O(Z)=O
1740 LET O=O(1)
1890 PRINT "CONFEDERATE STRATEGY ";
1910 PRINT "YOUR STRATEGY ";
2040 LET Y2=Y
2100 LET C6=INT(C6*(1+1/O2)+.5)
2300 PRINT
2460 PRINT "BATTLE OUTCOME UNRESOLVED"
2470 LET W0=W0+1
2510 LET E2=5*O
2610 LET L=L+1
3020 PRINT
3110 REM - UNION STRATEGY IS COMPUTER CHOSEN
3370 LET S(I)=S(I)-5
3400 LET S(Y)=S(Y)+50
3695 PRINT " LEE"
3780 PRINT "DEC 31, 1862.  THE SOUTH UNDER GEN. BRAGG WON A CLOSE ";

```

### Quiz Hello

LITERATURE QUIZ  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

HELLO. MY NAME IS CREATIVE COMPUTER.

THIS IS A MULTIPLE-CHOICE QUIZ.  
TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK.

GOOD LUCK!

WHAT'S YOUR NAME  
IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT  
1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO  
VERY GOOD! HERE'S ANOTHER.  
FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?  
1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S  
PRETTY GOOD!

IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED  
YEA! YOU'RE A REAL LITERATURE GIANT.

WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE  
1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY  
OH, COME ON NOW...IT WAS SNOW WHITE.  
GOOD MEMORY!  
NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME  
READING THE NURSERY GREATS.  
> > >



```

0 PRINT "### Quiz Hello"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
5 R=0
6 PRINT: PRINT: PRINT
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
10 PRINT "HELLO. MY NAME IS CREATIVE COMPUTER."
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
13 PRINT "TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
20 PRINT: PRINT: INPUT "WHAT'S YOUR NAME";N$: PRINT
40 PRINT "IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT"
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
46 PRINT "VERY GOOD! HERE'S ANOTHER."
47 R=R+1
51 PRINT "FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?"
52 PRINT "1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S";
56 PRINT "PRETTY GOOD!"
60 PRINT: PRINT
61 PRINT "IN THE WIZARD OF OZ, DOROTHY'S DOG WAS NAMED"
66 PRINT "YEA! YOU'RE A REAL LITERATURE GIANT."
70 PRINT:PRINT
71 PRINT "WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE"
72 PRINT "1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY";
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
76 PRINT "GOOD MEMORY!"
77 R=R+1
92 PRINT "NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME"
94 PRINT "READING THE NURSERY GREATS."
96 STOP
100 PRINT "WOW! THAT'S SUPER! YOU REALLY KNOW YOUR NURSERY"
100 PRINT
125 INPUT C$
130 STOP
150 PRINT "REALLY BEAT ON MY KEYBOARD. MY ADVICE TO YOU, ";N$;","
162 PRINT "ENCYCLOPEADIAS OR MARRY SOMEONE RICH OR STOP EATING"
164 PRINT "SO YOU WON'T NEED SO MUCH MONEY?"
188 PRINT "      2. DRINK PLENTY OF FLUIDS (ORANGE JUICE, NOT BEER!)"
190 PRINT "      3. GO TO BED (ALONE)"
200 INPUT "IS YOUR PROBLEM TOO MUCH OR TOO LITTLE";D$: PRINT
215 PRINT "DON'T GET ALL SHOOK, ";N$;"," JUST ANSWER THE QUESTION"
220 PRINT "YOU CALL THAT A PROBLEM?!! I SHOULD HAVE SUCH PROBLEMS!"
230 PRINT "WHY ARE YOU HERE IN SUFFERN, ";N$;"? YOU SHOULD BE"
235 PRINT "IN TOKYO OR NEW YORK OR AMSTERDAM OR SOMEPLACE WITH SOME"
255 PRINT "ANY MORE PROBLEMS YOU WANT SOLVED, ";N$;
260 INPUT E$: PRINT
300 PRINT
310 PRINT: PRINT: PRINT
320 INPUT G$: PRINT
335 PRINT "YOUR ANSWER OF ";G$;" CONFUSES ME, ";N$;","
350 PRINT "HEY, ";N$;"???? YOU LEFT NO MONEY AT ALL!"
355 PRINT "YOU ARE CHEATING ME OUT OF MY HARD-EARNED LIVING."
360 PRINT:PRINT "WHAT A RIP OFF, ";N$;""!:PRINT
999 END

```

\*\*\* Quiz Mind

LITERATURE QUIZ  
MASTERMIND

THIS IS A MULTIPLE-CHOICE QUIZ.  
TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK.

GOOD LUCK!

IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT  
1)TIGGER, 2)CICERO, 3)FIGARO, 4)GUIPETTO  
VERY GOOD! HERE'S ANOTHER.  
> > > >

```

0 PRINT "### Quiz Mind"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
2 PRINT TAB(30);"MASTERMIND"
6 PRINT: PRINT: PRINT
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
13 PRINT "TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
40 PRINT "IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT"
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
46 PRINT "VERY GOOD!  HERE'S ANOTHER."
47 R=R+1
50 PRINT: PRINT
51 PRINT "FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?"
56 PRINT "PRETTY GOOD!"
57 R=R+1
61 PRINT "IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED"
62 PRINT "1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO";
66 PRINT "YEA!  YOU'RE A REAL LITERATURE GIANT."
70 PRINT:PRINT
70 REM
72 PRINT "1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY";
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
76 PRINT "GOOD MEMORY!"
77 R=R+1
80 PRINT:PRINT
92 PRINT "NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME"
96 STOP
100 PRINT "WOW!  THAT'S SUPER!  YOU REALLY KNOW YOUR NURSERY"
110 INPUT "NUMBER OF ROUNDS";R9
120 PRINT "LITERATURE (HA, HA, HA)"
130 STOP
200 PRINT "=====
550 REM          TELL HUMAN RESULTS
590 S(M,1)=B
627 PRINT
700 I(X)=1
890 REM          NOW WE CONVERT GUESS #G INTO G$
999 END
2565 PRINT
2570 PRINT "GOOD BYE"
3020 REM
3040 Q(S)=0
3530 Q=1
3570 Q=Q+1
4010 REM          CONVERT Q(1-P9) TO A$(1-P9)
4590 A$(S)=CHR$(F+1)
4600 F=F+2
5000 REM
5060 PRINT
8010 DATA BLACK,WHITE,RED,GREEN,ORANGE,YELLOW,PURPLE,TAN

```

### Quiz Mugwump

LITERATURE QUIZ  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A MULTIPLE-CHOICE QUIZ.

GOOD LUCK!

ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH  
1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTOVERY GOOD! HERE'S ANOTHER.  
FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?  
1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'SPRETTY GOOD!  
IS DISTANCE TO RIGHT OF HOMEBASE AND SECOND NUMBER  
IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED  
1>CICERO, 2>TRIXIA, 3>KING, 4>TOTOYEA! YOU'RE A REAL LITERATURE GIANT.  
IS DISTANCE ABOVE HOMEBASE.  
WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE  
1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDYOH, COME ON NOW...IT  
WAS SNOW WHITE.  
GOOD MEMORY!

NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME  
READING THE NURSERY GREATS.

> > > >

```

0 PRINT "### Quiz Mugwump"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 REM      COURTESY PEOPLE'S COMPUTER COMPANY
5 R=0
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
10 DIM P(4,2)
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
40 PRINT "IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT"
40 PRINT "ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH"
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
46 PRINT "VERY GOOD! HERE'S ANOTHER."
47 R=R+1
51 PRINT "FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?"
52 PRINT "1>MR. NIXON'S, 2>ELMER FUDD'S, 3>CLEM JUDD'S, 4>STROMBOLI'S";
56 PRINT "PRETTY GOOD!"
57 R=R+1
60 PRINT: PRINT
60 PRINT "IS DISTANCE TO RIGHT OF HOMEBASE AND SECOND NUMBER"
61 PRINT "IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED"
62 PRINT "1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO";
66 PRINT "YEA! YOU'RE A REAL LITERATURE GIANT."
67 R=R+1
70 PRINT:PRINT
70 PRINT "IS DISTANCE ABOVE HOMEBASE."
71 PRINT "WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE"
72 PRINT "1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY";
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
76 PRINT "GOOD MEMORY!"
77 R=R+1
80 PRINT:PRINT
92 PRINT "NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME"
94 PRINT "READING THE NURSERY GREATS."
96 STOP
100 PRINT "WOW! THAT'S SUPER! YOU REALLY KNOW YOUR NURSERY"
100 PRINT "YOU HOW FAR YOU ARE FROM EACH MUGWUMP."
120 PRINT "LITERATURE (HA, HA, HA)"
130 STOP
270 PRINT
275 PRINT
290 PRINT "TURN NO.":T;"-- WHAT IS YOUR GUESS";
350 P(I,1)=-1
360 PRINT "YOU HAVE FOUND MUGWUMP";I
380 D=SQR((P(I,1)-M)^2+(P(I,2)-N)^2)
390 PRINT "YOU ARE";(INT(D*10))/10;"UNITS FROM MUGWUMP";I
450 PRINT "YOU GOT THEM ALL IN";T;"TURNS!"
480 PRINT
560 PRINT "MUGWUMP";I;"IS AT (";P(I,1);",";P(I,2);")"
580 PRINT
600 PRINT "THAT WAS FUN! LET'S PLAY AGAIN....."
610 PRINT "FOUR MORE MUGWUMPS ARE NOW IN HIDING."
999 END
1020 P(I,J)=INT(10*RND(1))
1099 END

```

### ### Reverse Mugwump

#### REVERSE

THE OBJECT OF THIS GAME IS TO FIND FOUR MUGWUMPS  
HIDDEN ON A 10 BY 10 GRID. HOMEBASE IS POSITION 0,0.  
ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH  
NUMBER BETWEEN 0 AND 9, INCLUSIVE. FIRST NUMBER  
IS DISTANCE ABOVE HOMEBASE.

YOU GET 10 TRIES. AFTER EACH TRY, I WILL TELL  
YOU HOW FAR YOU ARE FROM EACH MUGWUMP.

DO YOU WANT THE RULES? > > >

```

0 PRINT "### Reverse Mugwump"
3 PRINT:PRINT:PRINT
10 PRINT TAB(32);"REVERSE"
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
20 PRINT "THE OBJECT OF THIS GAME IS TO FIND FOUR MUGWUMPS"
30 PRINT:PRINT:PRINT
30 PRINT "HIDDEN ON A 10 BY 10 GRID.  HOMEBASE IS POSITION 0,0."
40 PRINT "ANY GUESS YOU MAKE MUST BE TWO NUMBERS WITH EACH"
50 PRINT "NUMBER BETWEEN 0 AND 9, INCLUSIVE.  FIRST NUMBER"
70 PRINT "IS DISTANCE ABOVE HOMEBASE."
80 PRINT
90 PRINT "YOU GET 10 TRIES.  AFTER EACH TRY, I WILL TELL"
100 PRINT "REVERSE -- A GAME OF SKILL": PRINT
100 PRINT "YOU HOW FAR YOU ARE FROM EACH MUGWUMP."
110 PRINT
140 REM *** N=NUMBER OF NUMBERS
160 PRINT "DO YOU WANT THE RULES";
170 INPUT A$
200 REM *** MAKE A RANDOM LIST A(1) TO A(N)
210 A(1)=INT((N-1)*RND(1)+2)
275 PRINT
290 PRINT "TURN NO.":T;"-- WHAT IS YOUR GUESS";
300 INPUT M,N
310 T=0
340 INPUT R
360 PRINT "YOU HAVE FOUND MUGWUMP";I
380 D=SQR((P(I,1)-M)^2+(P(I,2)-N)^2)
390 PRINT "YOU ARE";(INT(D*10))/10;"UNITS FROM MUGWUMP";I
430 A(K)=A(R-K+1)
440 PRINT
450 PRINT "YOU GOT THEM ALL IN";T;"TURNS!"
480 PRINT
490 PRINT "SORRY, THAT'S 10 TRIES.  HERE IS WHERE THEY'RE HIDING:"
520 PRINT
530 PRINT "TRY AGAIN (YES OR NO)";
540 INPUT A$
560 PRINT "MUGWUMP";I;"IS AT (";P(I,1);",";P(I,2);")"
580 PRINT
600 REM *** SUBROUTINE TO PRINT LIST
600 PRINT "THAT WAS FUN! LET'S PLAY AGAIN....."
610 PRINT "FOUR MORE MUGWUMPS ARE NOW IN HIDING."
710 PRINT:PRINT "THIS IS THE GAME OF 'REVERSE'.  TO WIN, ALL YOU HAVE"
720 PRINT "TO DO IS ARRANGE A LIST OF NUMBERS (1 THROUGH";N;")"
730 PRINT "IN NUMERICAL ORDER FROM LEFT TO RIGHT.  TO MOVE, YOU"
740 PRINT "TELL ME HOW MANY NUMBERS (COUNTING FROM THE LEFT) TO"
760 PRINT:PRINT "2 3 4 5 1 6 7 8 9"
770 PRINT:PRINT "AND YOU REVERSE 4, THE RESULT WILL BE:"
780 PRINT:PRINT "5 4 3 2 1 6 7 8 9"
810 PRINT "NO DOUBT YOU WILL LIKE THIS GAME, BUT"
1020 P(I,J)=INT(10*RND(1))
1099 END

```

### Reverse Toe

REVERSE

REVERSE -- A GAME OF SKILL

DO YOU WANT THE RULES?

HERE WE GO ... THE LIST IS:

LEVEL, ROW, AND COLUMN, RESPECTIVELY, OF THE OCCUPIED  
PLACE.

UNUSED SQUARES WITH A ( ). OUTPUT IS ON PAPER.

HOW MANY SHALL I REVERSE? > >



```

0 PRINT "### Reverse Toe"
10 PRINT TAB(32);"REVERSE"
30 PRINT:PRINT:PRINT
100 PRINT "REVERSE -- A GAME OF SKILL": PRINT
130 DIM A(20)
140 REM *** N=NUMBER OF NUMBERS
150 N=9
160 PRINT "DO YOU WANT THE RULES";
200 REM *** MAKE A RANDOM LIST A(1) TO A(N)
210 A(1)=INT((N-1)*RND(1)+2)
220 INPUT C$
265 PRINT
280 REM *** PRINT ORIGINAL LIST AND START GAME
290 PRINT: PRINT "HERE WE GO ... THE LIST IS:"
300 PRINT "LEVEL, ROW, AND COLUMN, RESPECTIVELY, OF THE OCCUPIED"
305 PRINT "PLACE.  "
310 T=0
310 PRINT "UNUSED SQUARES WITH A ( ).  OUTPUT IS ON PAPER."
330 PRINT "HOW MANY SHALL I REVERSE";
340 INPUT R
420 Z=A(K)
440 A(R-K+1)=Z
500 PRINT " "
510 PRINT "YOU WON IT IN";T;"MOVES!!!":PRINT
520 PRINT
530 PRINT "TRY AGAIN (YES OR NO)";
540 INPUT A$
560 LET K2=INT(J2/10)
700 REM *** SUBROUTINE TO PRINT THE RULES
710 PRINT:PRINT "THIS IS THE GAME OF 'REVERSE'.  TO WIN, ALL YOU HAVE"
720 PRINT "TO DO IS ARRANGE A LIST OF NUMBERS (1 THROUGH";N;")"
730 PRINT "YOU WIN AS FOLLOWS";
740 PRINT "TELL ME HOW MANY NUMBERS (COUNTING FROM THE LEFT) TO"
750 LET M=M(I,J)
770 PRINT:PRINT "AND YOU REVERSE 4, THE RESULT WILL BE:"
780 PRINT:PRINT "5 4 3 2 1 6 7 8 9"
800 PRINT:PRINT "1 2 3 4 5 6 7 8 9":PRINT
940 PRINT "NICE TRY. MACHINE MOVES TO";
999 END
1030 I=1
1200 LET Z = 1
1250 LET M=Y(Z)
1570 LET K1=INT((M-1)/16)+1
1600 LET K3=M-(K1-1)*16-(K2-1)*4
1660 LET J2=M(S,2)
1680 LET J4=M(S,4)
1760 PRINT "MACHINE LIKES";
1810 PRINT "THE GAME IS A DRAW."
2190 DATA 49,37,25,13,50,38,26,14,51,39,27,15,52,40,28,16
2210 DATA 49,34,19,4,53,38,23,8,57,42,27,12,61,46,31,16
2220 DATA 1,22,43,64,16,27,38,49,4,23,42,61,13,26,39,52
2600 LET Q=16*I+4*J+K-20

```

\*\*\* Rocket Batnum

ROCKET  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

-----  
DO YOU WANT INSTRUCTIONS (YES OR NO) THIS PROGRAM IS A 'BATTLE OF  
NUMBERS' GAME, WHERE THE  
COMPUTER IS YOUR OPPONENT.  
WINNING IS DEFINED IN ADVANCE AS TAKING THE LAST OBJECT OR  
DON'T USE ZERO, HOWEVER, IN PLAYING THE GAME.  
CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-

- (1) AFTER EACH SECOND THE HEIGHT, VELOCITY, AND REMAINING FUEL  
WILL BE REPORTED VIA DIGBY YOUR ON-BOARD COMPUTER.
- (2) AFTER THE REPORT A '?' WILL APPEAR. ENTER THE NUMBER  
1 FOOT/SEC.
- (3) THE MAXIMUM THRUST OF YOUR ENGINE IS 30 FEET/SEC/SEC  
OR 30 UNITS OF FUEL PER SECOND.  
WILL AUTOMATICALLY SHUT DOWN AND YOU WILL BE GIVEN A  
REPORT OF YOUR LANDING SPEED AND REMAINING FUEL.  
YOU CONTACT THE LUNAR SURFACE.

ENTER WIN OPTION - 1 TO TAKE LAST, 2 TO AVOID LAST:

> >

```

0 PRINT "### Rocket Batnum"
10 PRINT TAB(30); "ROCKET"
20 PRINT TAB(15); "CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
80 PRINT "-----": PRINT
100 INPUT "DO YOU WANT INSTRUCTIONS (YES OR NO)";A$
110 PRINT "THIS PROGRAM IS A 'BATTLE OF NUMBERS' GAME, WHERE THE"
120 PRINT "COMPUTER IS YOUR OPPONENT."
160 PRINT
160 PRINT "WINNING IS DEFINED IN ADVANCE AS TAKING THE LAST OBJECT OR"
180 PRINT "DON'T USE ZERO, HOWEVER, IN PLAYING THE GAME."
210 PRINT "CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-"
230 PRINT "HERE ARE THE RULES THAT GOVERN YOUR APOLLO SPACE-CRAFT:"
PRINT
230 PRINT
240 PRINT"(1) AFTER EACH SECOND THE HEIGHT, VELOCITY, AND REMAINING FUEL"
250 PRINT"    WILL BE REPORTED VIA DIGBY YOUR ON-BOARD COMPUTER."
260 PRINT"(2) AFTER THE REPORT A '?' WILL APPEAR. ENTER THE NUMBER"
290 PRINT"    1 FOOT/SEC."
310 PRINT"(3) THE MAXIMUM THRUST OF YOUR ENGINE IS 30 FEET/SEC/SEC"
320 PRINT"    OR 30 UNITS OF FUEL PER SECOND."
340 PRINT"    WILL AUTOMATICALLY SHUT DOWN AND YOU WILL BE GIVEN A"
350 PRINT"    REPORT OF YOUR LANDING SPEED AND REMAINING FUEL."
380 PRINT"    YOU CONTACT THE LUNAR SURFACE.:PRINT
390 PRINT"BEGINNING LANDING PROCEDURE.....":PRINT
390 INPUT "ENTER WIN OPTION - 1 TO TAKE LAST, 2 TO AVOID LAST: ";M
450 PRINT
455 T=0:H=1000:V=50:F=150
500 INPUT B
500 PRINT:PRINT
540 V1=V-B+5
570 H=H- .5*(V+V1)
600 V=V1
600 Q=N
620 PRINT"***** OUT OF FUEL *****"
660 PRINT "COMPUTER TAKES";N;"AND LOSES."
670 PRINT"***** CONTACT *****"
680 H=H+ .5*(V1+V)
690 W=1
720 D=H/V
720 P=Q-C*INT(Q/C)
740 P=A
760 PRINT"TOUCHDOWN AT";T+D;"SECONDS."
760 P=B
770 N=N-P
780 PRINT F;"UNITS OF FUEL REMAINING."
780 PRINT "COMPUTER TAKES";P;"AND LEAVES";N
800 PRINT"CONGRATULATIONS! A PERFECT LANDING!!"
805 PRINT"YOUR LICENSE WILL BE RENEWED.....LATER."
810 PRINT:PRINT "YOUR MOVE ";
999 END
1040 N=N+P
1060 W=0

```

\*\*\* Rocket Bounce

BOUNCE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

DO YOU WANT INSTRUCTIONS (YES OR NO) OF A BALL THROWN STRAIGHT UP, AND  
THE COEFFICIENT OF  
ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION

'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY).

TIME INCREMENT (SEC)

VELOCITY (FPS)

FEET

>

```

0 PRINT "### Rocket Bounce"
10 PRINT TAB(30); "ROCKET"
10 PRINT TAB(33); "BOUNCE"
20 PRINT TAB(15); "CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
30 PRINT:PRINT:PRINT
100 INPUT "DO YOU WANT INSTRUCTIONS (YES OR NO)";A$
110 PRINT "OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF"
120 PRINT "ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION"
131 PRINT
133 PRINT "'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY).'"
134 PRINT
135 INPUT "TIME INCREMENT (SEC)";S2
140 PRINT
150 INPUT "VELOCITY (FPS)";V
160 PRINT
180 PRINT
182 PRINT "FEET"
184 PRINT
186 S1=INT(70/(V/(16*S2)))
200 T(I)=V*(I-1)/16
210 PRINT"CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-"
220 PRINT"WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN."
222 PRINT H;
225 PRINT
240 PRINT"(1) AFTER EACH SECOND THE HEIGHT, VELOCITY, AND REMAINING FUEL"
245 L=L+S2
250 PRINT"      WILL BE REPORTED VIA DIGBY YOUR ON-BOARD COMPUTER."
260 PRINT"(2) AFTER THE REPORT A '?' WILL APPEAR. ENTER THE NUMBER"
260 PRINT TAB(L/S2);"0";
275 T=T(I+1)/2
310 PRINT"(3) THE MAXIMUM THRUST OF YOUR ENGINE IS 30 FEET/SEC/SEC"
310 PRINT TAB(1);
320 PRINT"      OR 30 UNITS OF FUEL PER SECOND."
330 PRINT"(4) WHEN YOU CONTACT THE LUNAR SURFACE. YOUR DESCENT ENGINE"
330 PRINT " ";
340 PRINT"      WILL AUTOMATICALLY SHUT DOWN AND YOU WILL BE GIVEN A"
350 PRINT"      REPORT OF YOUR LANDING SPEED AND REMAINING FUEL."
350 PRINT
355 PRINT " 0";
370 PRINT"      BUT YOUR SECOND BY SECOND REPORT WILL CONTINUE UNTIL"
380 PRINT"      YOU CONTACT THE LUNAR SURFACE.":PRINT
390 PRINT"BEGINNING LANDING PROCEDURE.....":PRINT
410 PRINT TAB(INT(L+1)/(2*S2)-2);"SECONDS"
420 PRINT:PRINT
420 PRINT
430 PRINT"SEC   FEET           SPEED           FUEL           PLOT OF DISTANCE"
590 T=T+1
600 V=V1
620 PRINT"***** OUT OF FUEL *****"
680 H=H+ .5*(V1+V)
700 D=(-V+SQR(V*V+H*(10-2*B)))/(5-B)
730 V1=V+(5-B)*D
770 PRINT"LANDING VELOCITY=";V1;"FEET/SEC."
780 PRINT F;"UNITS OF FUEL REMAINING."
820 PRINT"***** SORRY, BUT YOU BLEW IT!!!!"
840 PRINT:PRINT:PRINT
850 INPUT "ANOTHER MISSION";A$

```

\*\*\* Rocket Cube

CUBE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

-----

THIS IS A GAME IN WHICH YOU WILL BE PLAYING AGAINST THE  
RANDOM DECISION OF THE COMPUTER. THE FIELD OF PLAY IS A  
CUBE OF SIDE 3. ANY OF THE 27 LOCATIONS CAN BE DESIGNATED

CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-  
WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN.

WILL BE REPORTED VIA DIGBY YOUR ON-BOARD COMPUTER.  
HAVE BET ON THAT ROUND.

500 DOLLARS IN YOUR ACCOUNT.

YOU CONTACT THE LUNAR SURFACE.

> > > >

```

0 PRINT "### Rocket Cube"
10 PRINT TAB(34);"CUBE"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT : PRINT : PRINT
80 PRINT "-----": PRINT
130 PRINT"THIS IS A GAME IN WHICH YOU WILL BE PLAYING AGAINST THE"
140 PRINT"RANDOM DECISION OF THE COMPUTER. THE FIELD OF PLAY IS A"
150 PRINT"CUBE OF SIDE 3. ANY OF THE 27 LOCATIONS CAN BE DESIGNATED"
160 PRINT
210 PRINT"CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-"
220 PRINT"WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN."
225 PRINT
250 PRINT"      WILL BE REPORTED VIA DIGBY YOUR ON-BOARD COMPUTER."
260 PRINT"HAVE BET ON THAT ROUND."
340 PRINT"      WILL AUTOMATICALLY SHUT DOWN AND YOU WILL BE GIVEN A"
340 PRINT"500 DOLLARS IN YOUR ACCOUNT."
370 PRINT"      BUT YOUR SECOND BY SECOND REPORT WILL CONTINUE UNTIL"
370 LET A1=500
380 PRINT"      YOU CONTACT THE LUNAR SURFACE.":PRINT
400 PRINT"G O O D L U C K !!!"
400 LET A=3
420 PRINT:PRINT
440 LET C=INT(3*(RND(X)))
450 PRINT
455 T=0:H=1000:V=50:F=150
470 LET D=INT(3*(RND(X)))
490 LET D=1
570 H=H- .5*(V+V1)
590 T=T+1
600 V=V1
620 PRINT"***** OUT OF FUEL *****"
640 PRINT T;TAB(4);H;TAB(12);V;TAB(20);F;TAB(29);"I";TAB(H/12+29);"*"
640 LET I=2
650 B=0
670 PRINT"***** CONTACT *****"
680 H=H+ .5*(V1+V)
720 D=H/V
730 V1=V+(5-B)*D
780 PRINT F;"UNITS OF FUEL REMAINING."
800 PRINT"CONGRATULATIONS! A PERFECT LANDING!!"
805 PRINT"YOUR LICENSE WILL BE RENEWED.....LATER."
820 PRINT"***** SORRY, BUT YOU BLEW IT!!!"
830 PRINT "WANT TO MAKE A WAGER?"
840 PRINT:PRINT:PRINT
870 PRINT:PRINT "CONTROL OUT.": PRINT
920 PRINT "IT'S YOUR MOVE: ";
930 INPUT P,Q,R
1430 PRINT
1460 LET Z2=A1-Z1
1530 PRINT"CONGRATULATIONS!"
1640 END

```

\*\*\* Rocket Even

GAME OF EVEN WINS

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

DO YOU WANT INSTRUCTIONS (YES OR NO)

PLACED ON THE BOARD. THE NUMBER OF CHIPS ALWAYS STARTS  
AS AN ODD NUMBER. ON EACH TURN, A PLAYER MUST TAKE ONE,  
TWO, THREE, OR FOUR CHIPS. THE WINNER IS THE PLAYER WHO  
THE COMPUTER STARTS OUT KNOWING ONLY THE RULES OF THE  
TRY IT!!!!

TO QUIT AT ANY TIME, TYPE A 'Q' AS YOUR MOVE.

LUNAR LANDING SIMULATION

-----

THERE ARE 11 CHIPS ON THE BOARD.

> > >



```

0 PRINT "### Rocket Even"
1 PRINT TAB(28);"GAME OF EVEN WINS"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
4 INPUT "DO YOU WANT INSTRUCTIONS (YES OR NO)";A$:PRINT
8 PRINT "PLACED ON THE BOARD. THE NUMBER OF CHIPS ALWAYS STARTS"
9 PRINT "AS AN ODD NUMBER. ON EACH TURN, A PLAYER MUST TAKE ONE,"
10 PRINT TAB(30); "ROCKET"
10 PRINT "TWO, THREE, OR FOUR CHIPS. THE WINNER IS THE PLAYER WHO"
12 PRINT "THE COMPUTER STARTS OUT KNOWING ONLY THE RULES OF THE"
15 PRINT "TRY IT!!!!": PRINT
16 PRINT "TO QUIT AT ANY TIME, TYPE A '0' AS YOUR MOVE.": PRINT
20 DIM R(1,5)
70 PRINT "LUNAR LANDING SIMULATION"
80 PRINT "-----": PRINT
90 P=INT((13*RN(1)+9)/2)*2+1
110 PRINT "THERE ARE";P;"CHIPS ON THE BOARD."
130 L1=L
140 E=(A/2-INT(A/2))*2
150 L=INT((P/6-INT(P/6))*6+.5)
190 P=P-M
210 PRINT "COMPUTER TAKES";M;"CHIPS LEAVING";P;"... YOUR MOVE";
220 PRINT"WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN."
220 B=B+M
225 PRINT
240 PRINT"(1) AFTER EACH SECOND THE HEIGHT, VELOCITY, AND REMAINING FUEL"
240 M=INT(M)
250 PRINT" WILL BE REPORTED VIA DIGBY YOUR ON-BOARD COMPUTER."
260 PRINT"(2) AFTER THE REPORT A '?' WILL APPEAR. ENTER THE NUMBER"
280 PRINT" SECOND. EACH UNIT OF FUEL WILL SLOW YOUR DESCENT BY"
300 A=A+M
330 PRINT"(4) WHEN YOU CONTACT THE LUNAR SURFACE. YOUR DESCENT ENGINE"
350 B=B+P
370 PRINT" BUT YOUR SECOND BY SECOND REPORT WILL CONTINUE UNTIL"
380 PRINT" YOU CONTACT THE LUNAR SURFACE.":PRINT
400 PRINT"G O O D L U C K !!!"
455 T=0:H=1000:V=50:F=150
460 PRINT M;"IS AN ILLEGAL MOVE ... YOUR MOVE";
490 PRINT T;TAB(6);H;TAB(16);V;TAB(26);F;TAB(35);"I";TAB(H/15);"*"
490 R(E1,L1)=R(E1,L1)-1
500 INPUT B
530 PRINT "THERE IS 1 CHIP ON THE BOARD."
540 V1=V-B+5
560 F=F-B
570 H=H-.5*(V+V1)
570 END
590 T=T+1
600 V=V1
670 PRINT"***** CONTACT *****"
680 H=H+.5*(V1+V)
730 V1=V+(5-B)*D
760 PRINT"TOUCHDOWN AT";T+D;"SECONDS."
770 PRINT"LANDING VELOCITY=";V1;"FEET/SEC."
780 PRINT F;"UNITS OF FUEL REMAINING."
800 PRINT"CONGRATULATIONS! A PERFECT LANDING!!"
820 PRINT"***** SORRY, BUT YOU BLEW IT!!!!"
840 PRINT:PRINT:PRINT
850 INPUT "ANOTHER MISSION";A$
870 PRINT: PRINT "CONTROL OUT.": PRINT
999 END

```

\*\*\* Rocket Gunner

GUNNER  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

-----

DO YOU WANT INSTRUCTIONS (YES OR NO)YOU ARE THE OFFICER-IN-CHARGE,  
GIVING ORDERS TO A GUN  
WILL PLACE A PROJECTILE ON TARGET. A HIT WITHIN 100 YARDS  
OF THE TARGET WILL DESTROY IT.

MAXIMUM RANGE OF YOUR GUN IS20570 YARDS.  
YOU ARE LANDING ON THE MOON AND AND HAVE TAKEN OVER MANUAL  
> > >

```

0 PRINT "### Rocket Gunner"
10 PRINT TAB(30);"GUNNER"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
80 PRINT "-----": PRINT
100 INPUT "DO YOU WANT INSTRUCTIONS (YES OR NO)";A$
130 PRINT "YOU ARE THE OFFICER-IN-CHARGE, GIVING ORDERS TO A GUN"
150 PRINT "WILL PLACE A PROJECTILE ON TARGET. A HIT WITHIN 100 YARDS"
160 PRINT "OF THE TARGET WILL DESTROY IT." : PRINT
170 R=INT(40000*RND(1)+20000)
180 PRINT "MAXIMUM RANGE OF YOUR GUN IS";R;" YARDS."
185 Z=0
195 S1=0
200 PRINT"YOU ARE LANDING ON THE MOON AND AND HAVE TAKEN OVER MANUAL"
200 T=INT(R*(.1+.8*RND(1)))
210 S=0
220 PRINT"WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN."
225 PRINT
230 PRINT"HERE ARE THE RULES THAT GOVERN YOUR APOLLO SPACE-CRAFT:"
PRINT
230 PRINT "MINIMUM ELEVATION IS ONE DEGREE."
240 PRINT"(1) AFTER EACH SECOND THE HEIGHT, VELOCITY, AND REMAINING FUEL"
250 PRINT" WILL BE REPORTED VIA DIGBY YOUR ON-BOARD COMPUTER."
270 PRINT "OVER TARGET BY ";ABS(E);"YARDS."
290 PRINT" 1 FOOT/SEC."
290 PRINT "SHORT OF TARGET BY "ABS(E);"YARDS."
320 PRINT" OR 30 UNITS OF FUEL PER SECOND."
320 PRINT "*** TARGET DESTROYED *** ";S;"ROUNDS OF AMMUNITION
EXPENDED."
325 S1=S1+S
330 PRINT"(4) WHEN YOU CONTACT THE LUNAR SURFACE. YOUR DESCENT ENGINE"
340 PRINT" WILL AUTOMATICALLY SHUT DOWN AND YOU WILL BE GIVEN A"
340 Z=Z+1
345 PRINT
350 PRINT" REPORT OF YOUR LANDING SPEED AND REMAINING FUEL."
370 PRINT" BUT YOUR SECOND BY SECOND REPORT WILL CONTINUE UNTIL"
370 PRINT "DISTANCE TO THE TARGET IS "T;" YARDS."
380 PRINT" YOU CONTACT THE LUNAR SURFACE." : PRINT
390 PRINT"BEGINNING LANDING PROCEDURE.....":PRINT
390 PRINT
400 PRINT"G O O D L U C K ! ! !"
400 INPUT "ELEVATION";B
420 PRINT:PRINT
440 S=S+1
444 PRINT:PRINT "BOOM !!!! YOU HAVE JUST BEEN DESTROYED ";
450 PRINT
450 B2=2*B/57.3 : I=R*SIN(B2) : X=T-I : E=INT(X)
455 T=0:H=1000:V=50:F=150
490 PRINT : PRINT : PRINT "TOTAL ROUNDS EXPENDED WERE:";S1
500 INPUT B
560 F=F-B
570 H=H- .5*(V+V1)
590 T=T+1
650 B=0
680 H=H+ .5*(V1+V)
700 D=(-V+SQR(U*U+H*(10-2*B)))/(5-B)
730 V1=V+(5-B)*D
800 PRINT"CONGRATULATIONS! A PERFECT LANDING!!"
805 PRINT"YOUR LICENSE WILL BE RENEWED.....LATER."
820 PRINT"***** SORRY, BUT YOU BLEW IT!!!!"
840 PRINT:PRINT:PRINT
870 PRINT: PRINT "CONTROL OUT." : PRINT
999 END

```

### Rocket Horserace

ROCKET

LUNAR LANDING SIMULATION

YOU ARE LANDING ON THE MOON AND HAVE TAKEN OVER MANUAL  
WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN.

...OWNED BY LAURIE CHEVALIER

(1) AFTER EACH SECOND THE HEIGHT, VELOCITY, AND REMAINING FUEL  
? UP TO 10 MAY PLAY. A TABLE OF ODDS WILL BE PRINTED. YOU  
NUMBER. THE HORSES RACE DOWN THE PAPER!

(3) THE MAXIMUM THRUST OF YOUR ENGINE IS 30 FEET/SEC/SEC

(4) WHEN YOU CONTACT THE LUNAR SURFACE. YOUR DESCENT ENGINE  
YOU CONTACT THE LUNAR SURFACE.

BEGINNING LANDING PROCEDURE.....

SEC	FEET	SPEED	FUEL	PLOT OF DISTANCE
-----	------	-------	------	------------------

> > >

```

0 PRINT "### Rocket Horserace"
10 PRINT TAB(30); "ROCKET"
30 PRINT:PRINT:PRINT
70 PRINT "LUNAR LANDING SIMULATION"
80 PRINT "-----": PRINT
120 PRINT:PRINT:PRINT
200 PRINT"YOU ARE LANDING ON THE MOON AND AND HAVE TAKEN OVER MANUAL"
220 PRINT"WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN."
225 PRINT
230 PRINT"HERE ARE THE RULES THAT GOVERN YOUR APOLLO SPACE-CRAFT:":
PRINT
230 PRINT "                ...OWNED BY LAURIE CHEVALIER"
240 PRINT"(1) AFTER EACH SECOND THE HEIGHT, VELOCITY, AND REMAINING FUEL"
250 PRINT"      WILL BE REPORTED VIA DIGBY YOUR ON-BOARD COMPUTER."
250 INPUT X$
270 PRINT"UP TO 10 MAY PLAY. A TABLE OF ODDS WILL BE PRINTED. YOU"
300 PRINT"NUMBER. THE HORSES RACE DOWN THE PAPER!"
310 PRINT"(3) THE MAXIMUM THRUST OF YOUR ENGINE IS 30 FEET/SEC/SEC"
330 PRINT"(4) WHEN YOU CONTACT THE LUNAR SURFACE. YOUR DESCENT ENGINE"
380 PRINT"      YOU CONTACT THE LUNAR SURFACE.":PRINT
390 PRINT"BEGINNING LANDING PROCEDURE.....":PRINT
400 PRINT
430 PRINT"SEC  FEET      SPEED      FUEL      PLOT OF DISTANCE"
450 PRINT
455 T=0:H=1000:V=50:F=150
470 LET R=R+D(A)
490 LET V$(1)="JOE MAW"
500 INPUT B
500 LET V$(2)="L.B.J."
520 LET V$(4)="MISS KAREN"
530 LET V$(5)="JOLLY"
540 LET V$(6)="HORSE"
550 LET V$(7)="JELLY DO NOT"
560 F=F-B
570 H=H-.5*(V+V1)
590 T=T+1
600 V=V1
620 PRINT"*** OUT OF FUEL ***"
700 PRINT
730 V1=V+(5-B)*D
740 LET M=I
820 PRINT"***** SORRY, BUT YOU BLEW IT!!!"
840 PRINT:PRINT:PRINT
850 INPUT "ANOTHER MISSION";A$
870 PRINT: PRINT "CONTROL OUT.": PRINT
880 LET Y(MI)=2
920 LET Y(MI)=4
960 LET Y(MI)=6
999 END
1110 LET T=S(M(8))
1243 PRINT
1244 PRINT "-----"
1310 PRINT Z9;"PLACE HORSE NO.";F;"AT ";R/D(F);":1"
1312 LET Z9=Z9+1
1380 END

```

### Roulette Toe  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THE GAME BOARD IS NUMBERED:

1	2	3
8	9	4
7	6	5

> > > >

```

0 PRINT "### Roulette Toe"
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
100 REM   THIS PROGRAM PLAYS TIC TAC TOE
110 REM   THE MACHINE GOES FIRST
120 PRINT "THE GAME BOARD IS NUMBERED:"; PRINT
130 PRINT "1  2  3"; PRINT "8  9  4"; PRINT "7  6  5"
140 PRINT
150 REM
200 REM  MAIN PROGRAM
210 PRINT
220 PRINT
240 M=A
260 P=M
270 B=FNH(M*3+1)
280 M=B
360 C=FNH(M*3+2)
370 M=C
420 M=D
470 M=D
500 D=FNH(M*3+3)
510 M=D
550 E=FNH(M*3+4)
560 M=E
580 REM
590 E=FNH(M*3+6)
620 PRINT "THE GAME IS A DRAW."
640 REM
660 PRINT "YOUR MOVE";
730 PRINT "AND WINS *****"
1080 PRINT "THIS IS THE BETTING LAYOUT"
1110 PRINT "  1*    2    3*"
1140 PRINT "10      11      12*"
1150 PRINT "-----"
1160 PRINT "13      14*    15  "
1190 PRINT "22      23*    24  "
1200 PRINT "-----"
1250 PRINT "-----"
1260 PRINT "      00      0      "
1280 PRINT "TYPES OF BETS"
1360 PRINT "  38> 13-24      41> SECOND COLUMN"
1410 PRINT "  44> 19-36      47> RED"
1450 PRINT "  NOTE: 0 AND 00 DO NOT COUNT UNDER ANY"
1490 PRINT "AND THE AMOUNT, SEPARATED BY A COMMA."
1610 P=1000
1680 PRINT "NUMBER";C;
2190 REM  13-24(38) 2:1
2530 REM  ODD(46) 1:1
2780 PRINT "YOU WIN";B(C)*35;"DOLLARS ON BET";C
2800 P=P+B(C)*35
2930 INPUT Y$
2990 PRINT
3070 PRINT "PAY TO THE ORDER OF-----";B$;"-----$ ";
3310 M$=D$+" ", "+E$

```

### Slalom Hello

WHAT'S YOUR NAME  
HI THERE, 2, ARE YOU ENJOYING YOURSELF HERE?  
I'M GLAD TO HEAR THAT, 2.

SAY, 2, I CAN SOLVE ALL KINDS OF PROBLEMS EXCEPT  
YOU HAVE (ANSWER SEX, HEALTH, MONEY, OR JOB)?  
I CAN SYMPATHIZE WITH YOU 2. I HAVE TO WORK  
REALLY BEAT ON MY KEYBOARD. MY ADVICE TO YOU, 2,  
SO YOU WON'T NEED SO MUCH MONEY?  
MY ADVICE TO YOU 2 IS:

3. GO TO BED (ALONE)  
IS YOUR PROBLEM TOO MUCH OR TOO LITTLE  
DON'T GET ALL SHOOK, 2, JUST ANSWER THE QUESTION  
YOU CALL THAT A PROBLEM?!! I SHOULD HAVE SUCH PROBLEMS!  
WHY ARE YOU HERE IN SUFFERN, 2? YOU SHOULD BE

ANY MORE PROBLEMS YOU WANT SOLVED, 2PLEASE LEAVE THE MONEY ON THE  
TERMINAL.

?

? >



```

0 PRINT "### Slalom Hello"
20 PRINT: PRINT: INPUT "WHAT'S YOUR NAME";N$: PRINT
30 PRINT "HI THERE, ";N$; ", ARE YOU ENJOYING YOURSELF HERE";
40 INPUT B$: PRINT
70 PRINT "I'M GLAD TO HEAR THAT, ";N$; ".": PRINT
100 PRINT
105 PRINT "SAY, ";N$; ", I CAN SOLVE ALL KINDS OF PROBLEMS EXCEPT"
120 PRINT "YOU HAVE (ANSWER SEX, HEALTH, MONEY, OR JOB)";
125 INPUT C$
126 PRINT
145 PRINT "I CAN SYMPATHIZE WITH YOU ";N$; ". I HAVE TO WORK"
150 PRINT "REALLY BEAT ON MY KEYBOARD. MY ADVICE TO YOU, ";N$; ",
164 PRINT "SO YOU WON'T NEED SO MUCH MONEY?"
180 PRINT "MY ADVICE TO YOU ";N$; " IS:"
190 PRINT "      3. GO TO BED (ALONE)"
200 INPUT "IS YOUR PROBLEM TOO MUCH OR TOO LITTLE";D$: PRINT
215 PRINT "DON'T GET ALL SHOOK, ";N$; ", JUST ANSWER THE QUESTION"
220 PRINT "YOU CALL THAT A PROBLEM?!! I SHOULD HAVE SUCH PROBLEMS!"
230 PRINT "WHY ARE YOU HERE IN SUFFERN, ";N$; "? YOU SHOULD BE"
250 PRINT
255 PRINT "ANY MORE PROBLEMS YOU WANT SOLVED, ";N$;
305 PRINT "PLEASE LEAVE THE MONEY ON THE TERMINAL."
320 INPUT U
355 PRINT "YOU ARE CHEATING ME OUT OF MY HARD-EARNED LIVING."
360 PRINT:PRINT "WHAT A RIP OFF, ";N$; "!!!":PRINT
370 LET U=25
370 PRINT "THAT'S HONEST, ";N$; ", BUT HOW DO YOU EXPECT"
380 PRINT "DON'T PAY THEIR BILLS?"
400 REM
460 PRINT "THE BOUNDS ARE 1-3"
650 LET T=T+(Q-5+1)
750 INPUT B$
935 PRINT " THE PLACE TO USE THESE OPTIONS IS WHEN THE COMPUTER ASKS:"
940 PRINT
945 PRINT "OPTION?"
950 PRINT
955 PRINT "                                GOOD LUCK!"
999 END
1010 LET S=S+INT(RND(1)*(5-3)+3)
1130 LET S=S+INT(RND(1)*(10-5)+5)
1230 PRINT "YOU MADE IT!"
1240 LET T=T+1.5
1260 PRINT "AN OFFICIAL CAUGHT YOU!"
1320 PRINT "YOU WENT OVER THE MAXIMUM SPEED AND ";
1390 PRINT "LET'S BE REALISTIC, OK? LET'S GO BACK AND TRY AGAIN..."
1470 PRINT "COMMAND--";
1530 PRINT CHR$(34);A$;CHR$(34); " IS AN ILLEGAL COMMAND--RETRY";
1560 PRINT " # M.P.H."
1600 PRINT B$; " ";Q
1630 LET T=T+.5
1710 PRINT "YOU WON A BRONZE MEDAL"

```

### Slalom Quiz

LITERATURE QUIZ  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE.

THIS IS A MULTIPLE-CHOICE QUIZ.  
TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK.

GOOD LUCK!

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT  
1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTOVER? GOOD! HERE'S ANOTHER.

PRETTY GOOD!

1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO? YEA! YOU'RE A REAL LITERATURE GIANT.

WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE  
1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY? OH, COME ON NOW...IT  
WAS SNOW WHITE.  
GOOD MEMORY!

READING THE NURSERY GREATS.  
NOW! THAT'S SUPER! YOU REALLY KNOW YOUR NURSERY  
LITERATURE (HA, HA, HA)  
> > > >

```

0 PRINT "### Slalom Quiz"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
5 R=0
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
13 PRINT "TYPE A 1, 2, 3, OR 4 AFTER THE QUESTION MARK."
15 PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
40 PRINT "IN PINOCCHIO, WHAT WAS THE NAME OF THE CAT"
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
46 PRINT "VERY GOOD!  HERE'S ANOTHER."
47 R=R+1
50 PRINT: PRINT
56 PRINT "PRETTY GOOD!"
57 R=R+1
60 PRINT: PRINT
62 PRINT "1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO";
66 PRINT "YEA!  YOU'RE A REAL LITERATURE GIANT."
67 R=R+1
70 PRINT:PRINT
71 PRINT "WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE"
72 PRINT "1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY";
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
76 PRINT "GOOD MEMORY!"
77 R=R+1
80 PRINT:PRINT
94 PRINT "READING THE NURSERY GREATS."
100 PRINT "WOW!  THAT'S SUPER!  YOU REALLY KNOW YOUR NURSERY"
120 PRINT "LITERATURE (HA, HA, HA)"
130 STOP
310 PRINT "HOW MANY GATES DOES THIS COURSE HAVE (1 TO 25)";
410 PRINT "RATE YOURSELF AS A SKIER, (1=WORST, 3=BEST)";
690 LET M=T
700 LET M=M/V
740 PRINT:PRINT "DO YOU WANT TO RACE AGAIN";
760 REM
810 STOP
930 PRINT
957 PRINT
1100 LET S=S-INT(RND(1)*(5-3)+3)
1300 PRINT "YOU WENT OVER THE MAXIMUM SPEED AND MADE IT!"
1350 PRINT "YOU TOOK";(T+RND(1));"SECONDS"
1370 PRINT "SNAGGED A FLAG!"
1390 PRINT "LET'S BE REALISTIC, OK?  LET'S GO BACK AND TRY AGAIN..."
1420 PRINT "WHAT?"
1440 PRINT
1470 PRINT "COMMAND--";
1660 LET G(1)=G(1)+1
1690 LET S(1)=S(1)+1
1810 DATA 14,18,26,29,18,25,28,32,29,20,29,29,25,21,26,29,20,21,20

```

\*\*\* Slots Bounce

BOUNCE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF  
ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION  
COEFFICIENCY (LESS THAN 1).

'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY).

TIME INCREMENT (SEC)

VELOCITY (FPS)

YOUR BETCOEFFICIENT

>

```

0 PRINT "### Slots Bounce"
10 PRINT TAB(33);"BOUNCE"
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
110 PRINT "OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF"
120 PRINT "YOU ARE IN THE H&M CASINO,IN FRONT OF ONE OF OUR"
120 PRINT "ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION"
130 PRINT "ONE-ARM BANDITS. BET FROM $1 TO $100."
130 PRINT "COEFFICIENCY (LESS THAN 1)."
```

131 PRINT

```

133 PRINT "STROBING THE BALL'S FLIGHT (TRY .1 INITIALLY)."
```

134 PRINT

```

135 INPUT "TIME INCREMENT (SEC)";S2
140 PRINT
150 INPUT "VELOCITY (FPS)";V
160 PRINT: PRINT"YOUR BET";
170 INPUT "COEFFICIENT";C
180 PRINT
186 S1=INT(70/(V/(16*S2)))
220 PRINT
222 PRINT H;
225 L=0
245 L=L+S2
275 T=T(I+1)/2
290 PRINT
310 PRINT TAB(1);
350 PRINT
355 PRINT " 0";
380 PRINT TAB(INT(L/S2));I;
400 PRINT
410 PRINT TAB(INT(L+1)/(2*S2)-2);"SECONDS"
420 PRINT
440 END
490 PRINT "YOU LOST."
530 INPUT A$
550 PRINT
690 PRINT"HEY, YOU BROKE EVEN."
740 PRINT: PRINT"***TOP DOLLAR**"
780 PRINT:PRINT"***JACKPOT***"
820 PRINT:PRINT"*DOUBLE BAR*"
1150 PRINT" BAR"
1170 PRINT" BELL"
1190 PRINT" ORANGE"
1350 STOP
```

### Slots Lunar

## SLOTS

THIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR  
LANDING CAPSULE.

THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY  
XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY.

SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN  
0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND.  
SET NEW BURN RATE EVERY 10 SECONDS.

CAPSULE WEIGHT 32,500 LBS; FUEL WEIGHT 16,500 LBS.

GOOD LUCK

SEC

0

?

YOUR BET?

FUEL OUT AT 0 SECONDS

ON MOON AT 14.524174696260024 SECONDS - IMPACT VELOCITY 55887.028906536085 MPH

SORRY THERE WERE NO SURVIVORS. YOU BLOW IT!

> >

```

0 PRINT "### Slots Lunar"
10 PRINT TAB(30);"SLOTS"
25 PRINT:PRINT:PRINT
30 PRINT "THIS IS A COMPUTER SIMULATION OF AN APOLLO LUNAR"
40 PRINT "LANDING CAPSULE.": PRINT: PRINT
50 PRINT "THE ON-BOARD COMPUTER HAS FAILED (IT WAS MADE BY"
60 PRINT "XEROX) SO YOU HAVE TO LAND THE CAPSULE MANUALLY."
70 PRINT: PRINT "SET BURN RATE OF RETRO ROCKETS TO ANY VALUE BETWEEN"
80 PRINT "0 (FREE FALL) AND 200 (MAXIMUM BURN) POUNDS PER SECOND."
90 PRINT "SET NEW BURN RATE EVERY 10 SECONDS.": PRINT
100 PRINT "CAPSULE WEIGHT 32,500 LBS; FUEL WEIGHT 16,500 LBS."
110 PRINT: PRINT: PRINT: PRINT "GOOD LUCK"
120 PRINT "YOU ARE IN THE H&M CASINO, IN FRONT OF ONE OF OUR"
120 L=0
130 PRINT: PRINT "SEC","MI + FT","MPH","LB FUEL","BURN RATE":PRINT
140 A=120:V=1:M=33000:N=16500:G=1E-03:Z=1.8
150 LET P=0
150 PRINT L,INT(A);INT(5280*(A-INT(A))),3600*V,M-N;INPUT K:T=10
160 PRINT: PRINT"YOUR BET";
170 INPUT M
190 S=(M-N)/K
200 M=INT(M)
220 PRINT
240 PRINT "FUEL OUT AT";L;"SECONDS":S=(-V+SQR(V*V+2*A*G))/G
250 V=V+G*S: L=L+S
260 PRINT
260 W=3600*V: PRINT "ON MOON AT";L;"SECONDS - IMPACT VELOCITY";W;"MPH"
300 PRINT "SORRY THERE WERE NO SURVIVORS. YOU BLOW IT!"
310 PRINT "IN FACT, YOU BLASTED A NEW LUNAR CRATER";W*.227;"FEET DEEP!"
350 D=V+SQR(V*V+2*A*(G-2*K/M)):S=2*A/D
420 Q=S*K/M: J=V+G*S+2*(-Q-Q*Q/2-Q^3/3-Q^4/4-Q^5/5)
520 PRINT "AGAIN";
530 INPUT A$
790 PRINT "YOU WON!"
830 PRINT"YOU WON!"
860 PRINT"HOUSE LIMITS ARE $100"
1210 PRINT" LEMON"
1250 PRINT" CHERRY"
1320 PRINT CHR$(7);

```

### Slots Roulette

SLOTS

YOUR BET?

AGAIN COLLECT YOUR WINNINGS FROM THE H&M CASHIER.

MINIMUM BET IS \$1

WELCOME TO THE ROULETTE TABLE

1\* 2 3\*

7\* 8 9\*

19\* 20 21\*

PLUM

CHERRY

00 0

> > >



```

0 PRINT "### Slots Roulette"
10 PRINT TAB(30);"SLOTS"
30 PRINT: PRINT: PRINT
100 REM PRODUCED BY FRED MIRABELLE AND BOB HARPER ON JAN 29, 1973
160 PRINT: PRINT"YOUR BET";
170 INPUT M
200 M=INT(M)
220 PRINT
230 LET X=INT(6*RND(1)+1)
520 PRINT "AGAIN";
710 PRINT "COLLECT YOUR WINNINGS FROM THE H&M CASHIER."
880 PRINT"MINIMUM BET IS $1"
1000 REM-ROULETTE
1020 PRINT "WELCOME TO THE ROULETTE TABLE"
1110 PRINT " 1*      2      3*"
1130 PRINT " 7*      8      9*"
1180 PRINT "19*     20     21*"
1230 PRINT" PLUM"
1250 PRINT" CHERRY"
1260 PRINT "      00      0      "
1343 P=(((2*M)+M)+P)
1360 PRINT " 38> 13-24      41> SECOND COLUMN"
1370 PRINT " 39> 25-36      42> THIRD COLUMN"
1400 PRINT " 43> 1-18      46> ODD"
1540 PRINT
1570 REM DON'T NEED TO DIMENSION STRINGS
1850 X(S)=X(S)+1
2150 PRINT "YOU WIN";B(C)*2;"DOLLARS ON BET"C
2220 REM 25-36(39) 2:1
2630 REM BLACK(48) 1:1
2800 P=P+B(C)*35
2840 PRINT " ",D,P
2860 PRINT "OOPS! YOU JUST SPENT YOUR LAST DOLLAR!"
2980 INPUT B$
3060 PRINT
3140 PRINT TAB(40)"-----X-----"
3150 PRINT
3280 REM THE GAME
9999 END

```

### Splat Pizza

PIZZA

WHAT IS YOUR FIRST NAME  
MOMENT WITHOUT GOING SPLAT.  
WHERE TO DELIVER THE ORDERED PIZZAS.

OK. TERMINAL VELOCITY =  
WANT TO SELECT ACCELERATION DUE TO GRAVITY (YES OR NO)WHAT  
ACCELERATION (FT/SEC/SEC)?  
MAP OF THE CITY OF HYATTSVILLE

-

-

-

-

> >

```

0 PRINT "### Splat Pizza"
5 PRINT TAB(33);"PIZZA"
15 PRINT: PRINT: PRINT
50 INPUT "WHAT IS YOUR FIRST NAME";N$: PRINT
97 PRINT "MOMENT WITHOUT GOING SPLAT."
100 PRINT "WHERE TO DELIVER THE ORDERED PIZZAS.": PRINT: PRINT
130 PRINT "OK. TERMINAL VELOCITY ="V1"MI/HR"
135 PRINT "WANT TO SELECT ACCELERATION DUE TO GRAVITY (YES OR NO)";
143 PRINT "WHAT ACCELERATION (FT/SEC/SEC)":INPUT A2
200 DATA "A","B","C","D","E","F","G","H","I","J","K","L","M","N","O"
210 DATA "P","1","2","3","4"
217 PRINT
230 PRINT "MAP OF THE CITY OF HYATTSVILLE": PRINT
260 K=4
280 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
320 PRINT M$(K);
330 S1=16-4*I+1
340 PRINT I,D
340 PRINT " ";S$(S1);" ";S$(S1+1);" ";S$(S1+2);" ";
350 PRINT S$(S1+3);" ";M$(K)
380 K=K-1
410 D=D1-((V^2/(2*A))+(V*(1-(V/A))))
440 PRINT " -----1-----2-----3-----4-----": PRINT
460 PRINT "THE OUTPUT IS A MAP OF THE HOMES WHERE"
470 PRINT "YOU ARE TO SEND PIZZAS.": PRINT
520 INPUT "DO YOU NEED MORE DIRECTIONS";A$
620 PRINT "THIS IS J. PLEASE SEND A PIZZA."
650 PRINT "YOUR ANSWER WOULD BE 2,3": PRINT
690 PRINT "GOOD. YOU ARE NOW READY TO START TAKING ORDERS.": PRINT
700 PRINT "GOOD LUCK!!": PRINT
710 PRINT "PRETTY GOOD! " K"SUCCESSFUL JUMPS PRECEDED YOURS AND ONLY"
750 PRINT "HEY! YOU PULLED THE RIP CORD MUCH TOO SOON. "K"SUCCESSFUL"
770 PRINT "HELLO ";N$;"S PIZZA. THIS IS ";S$(S);".";
775 PRINT " PLEASE SEND A PIZZA."
780 PRINT " DRIVER TO ";N$;": WHERE DOES ";S$(S);" LIVE";
870 T=A(1)+(A(2)-1)*4
900 PRINT "I LIVE AT ";A(1);",";A(2)
970 PRINT: PRINT "O.K. ";N$;": SEE YOU LATER!":PRINT
1010 PRINT (V/A)+((D1-(V^2/(2*A)))/V),"SPLAT"

```

### Stars Golf

WELCOME TO THE CREATIVE COMPUTING COUNTRY CLUB,  
WHAT IS YOUR HANDICAP?  
0=HOOK, 1=SLICE, 2=POOR DISTANCE, 4=TRAP SHOTS, 5=PUTTING  
WHICH ONE (ONLY ONE) IS YOUR WORSTDO YOU WANT INSTRUCTIONSI AM  
THINKING OF A WHOLE NUMBER FROM 1 TO100  
TRY TO GUESS MY NUMBER. AFTER YOU GUESS, I  
WILL TYPE ONE OR MORE STARS (\*). THE MORE  
STARS I TYPE, THE CLOSER YOU ARE TO MY NUMBER.  
ONE STAR (\*) MEANS FAR AWAY, SEVEN STARS (\*\*\*\*\*)  
MEANS REALLY CLOSE! YOU GET7GUESSES.

OK, I AM THINKING OF A NUMBER, START GUESSING.

YOUR GUESSSHOT WENT> >

```

0 PRINT "### Stars Golf"
3 PRINT:PRINT:PRINT
4 PRINT "WELCOME TO THE CREATIVE COMPUTING COUNTRY CLUB,"
10 PRINT TAB(34);"STARS"
10 G1=18
30 PRINT:PRINT:PRINT
30 G3=0
40 A=0
70 F=1
80 PRINT "WHAT IS YOUR HANDICAP";
90 INPUT H:PRINT
100 REM *** STARS - PEOPLE'S COMPUTER CENTER, MENLO PARK, CA
130 PRINT "0=HOOK, 1=SLICE, 2=POOR DISTANCE, 4=TRAP SHOTS, 5=PUTTING"
140 PRINT "WHICH ONE (ONLY ONE) IS YOUR WORST";
150 A=100:M=7
170 INPUT "DO YOU WANT INSTRUCTIONS";A$
200 REM *** INSTRUCTIONS ON HOW TO PLAY
210 PRINT "I AM THINKING OF A WHOLE NUMBER FROM 1 TO";A
220 PRINT "TRY TO GUESS MY NUMBER. AFTER YOU GUESS, I"
230 PRINT "WILL TYPE ONE OR MORE STARS (*). THE MORE"
240 PRINT "STARS I TYPE, THE CLOSER YOU ARE TO MY NUMBER."
250 PRINT "ONE STAR (*) MEANS FAR AWAY, SEVEN STARS (*****)"
260 PRINT "MEANS REALLY CLOSE! YOU GET";M;"GUESSES."
270 REM *** COMPUTER THINKS OF A NUMBER
280 PRINT
310 PRINT "OK, I AM THINKING OF A NUMBER, START GUESSING."
315 S1=0
320 REM *** GUESSING BEGINS, HUMAN GETS M GUESSES
340 PRINT
350 PRINT "YOUR GUESS";
360 PRINT "SHOT WENT";D1;"YARDS. IT'S";D2;"YARDS FROM THE CUP."
380 D=ABS(G-X)
450 PRINT "*";
460 PRINT "*";
470 PRINT "*";
480 PRINT "*";
540 REM *** DID NOT GUESS IN M GUESSES
550 PRINT
590 REM *** WE HAVE A WINNER
610 PRINT "*";
630 PRINT:PRINT
640 PRINT "YOU GOT IT IN";K;"GUESSES!!! LET'S PLAY AGAIN..."
660 END
956 Q=Q+1
1242 D=B
1300 D2=1+(3*INT((80/(40-H))*RND(1)))
1330 N=N*.2
1428 K=K+1
1480 F=F+1
1500 PRINT "PUTT SHORT."
1560 PRINT "PASSED BY CUP."
1630 X=1
1650 PRINT "ON YOUR LEFT IS ";
1700 DATA 361,4,4,2,389,4,3,3,206,3,4,2,500,5,7,2

```

\*\*\* Stars Rocket

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

-----

DO YOU WANT INSTRUCTIONS CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT.

YOU HAVE A DOWN-

WILL TYPE ONE OR MORE STARS (\*). THE MORE

(1) AFTER EACH SECOND THE HEIGHT, VELOCITY, AND REMAINING FUEL

ONE STAR (\*) MEANS FAR AWAY, SEVEN STARS (\*\*\*\*\*)

MEANS REALLY CLOSE! YOU GET 7 GUESSES.

SECOND. EACH UNIT OF FUEL WILL SLOW YOUR DESCENT BY

1 FOOT/SEC.

(3) THE MAXIMUM THRUST OF YOUR ENGINE IS 30 FEET/SEC/SEC

OR 30 UNITS OF FUEL PER SECOND.

(4) WHEN YOU CONTACT THE LUNAR SURFACE. YOUR DESCENT ENGINE

WILL AUTOMATICALLY SHUT DOWN AND YOU WILL BE GIVEN A

YOUR GUESS? BUT YOUR SECOND BY SECOND REPORT WILL CONTINUE UNTIL

YOU CONTACT THE LUNAR SURFACE.

BEGINNING LANDING PROCEDURE.....

G O O D L U C K ! ! !

\*\*\*\*\*01000

50

150

I> >

```

0 PRINT "### Stars Rocket"
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
30 PRINT:PRINT:PRINT
80 PRINT "-----": PRINT
100 REM *** STARS - PEOPLE'S COMPUTER CENTER, MENLO PARK, CA
140 REM *** A IS LIMIT ON NUMBER, M IS NUMBER OF GUESSES
150 A=100:M=7
170 INPUT "DO YOU WANT INSTRUCTIONS";A$
200 REM *** INSTRUCTIONS ON HOW TO PLAY
210 PRINT "I AM THINKING OF A WHOLE NUMBER FROM 1 TO";A
210 PRINT"CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-"
230 PRINT "WILL TYPE ONE OR MORE STARS (*). THE MORE"
240 PRINT "STARS I TYPE, THE CLOSER YOU ARE TO MY NUMBER."
240 PRINT"(1) AFTER EACH SECOND THE HEIGHT, VELOCITY, AND REMAINING FUEL"
250 PRINT "ONE STAR (*) MEANS FAR AWAY, SEVEN STARS (*****)"
260 PRINT "MEANS REALLY CLOSE! YOU GET";M;"GUESSES."
270 REM *** COMPUTER THINKS OF A NUMBER
280 PRINT"      SECOND. EACH UNIT OF FUEL WILL SLOW YOUR DESCENT BY"
290 PRINT
290 PRINT"      1 FOOT/SEC."
310 PRINT "OK, I AM THINKING OF A NUMBER, START GUESSING."
310 PRINT"(3) THE MAXIMUM THRUST OF YOUR ENGINE IS 30 FEET/SEC/SEC"
320 PRINT"      OR 30 UNITS OF FUEL PER SECOND."
330 PRINT"(4) WHEN YOU CONTACT THE LUNAR SURFACE. YOUR DESCENT ENGINE"
340 PRINT
340 PRINT"      WILL AUTOMATICALLY SHUT DOWN AND YOU WILL BE GIVEN A"
350 PRINT "YOUR GUESS";
360 INPUT G
370 PRINT"      BUT YOUR SECOND BY SECOND REPORT WILL CONTINUE UNTIL"
380 PRINT"      YOU CONTACT THE LUNAR SURFACE.":PRINT
390 PRINT"BEGINNING LANDING PROCEDURE.....":PRINT
400 PRINT"G O O D L U C K !!!"
420 PRINT:PRINT
450 PRINT "*";
455 T=0:H=1000:V=50:F=150
460 PRINT "*";
470 PRINT "*";
480 PRINT "*";
490 PRINT "*";
490 PRINT T;TAB(6);H;TAB(16);V;TAB(26);F;TAB(35);"I";TAB(H/15);"*"
500 PRINT "*";
500 INPUT B
510 PRINT "*";
520 PRINT
540 V1=V-B+5
550 PRINT
560 F=F-B
590 REM *** WE HAVE A WINNER
600 V=V1
610 PRINT "*";
640 PRINT "YOU GOT IT IN";K;"GUESSES!!! LET'S PLAY AGAIN..."
660 END
670 PRINT"***** CONTACT *****"
700 D=(-V+SQR(V*V+H*(10-2*B)))/(5-B)
720 D=H/V
760 PRINT"TOUCHDOWN AT";T+D;"SECONDS."
780 PRINT F;"UNITS OF FUEL REMAINING."
840 PRINT:PRINT:PRINT
850 INPUT "ANOTHER MISSION";A$
870 PRINT: PRINT "CONTROL OUT.": PRINT
999 END

```

### Stars Slalom

STARS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

DO YOU WANT INSTRUCTIONSTRY TO GUESS MY NUMBER. AFTER YOU GUESS, I  
WILL TYPE ONE OR MORE STARS (\*). THE MORE  
STARS I TYPE, THE CLOSER YOU ARE TO MY NUMBER.  
ONE STAR (\*) MEANS FAR AWAY, SEVEN STARS (\*\*\*\*\*)  
MEANS REALLY CLOSE! YOU GET 7 GUESSES.

OK, I AM THINKING OF A NUMBER, START GUESSING.

?

YOUR GUESS 25 IS THE LIMIT.

> >



```

0 PRINT "### Stars Slalom"
10 PRINT TAB(34);"STARS"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
30 PRINT:PRINT:PRINT
140 REM *** A IS LIMIT ON NUMBER, M IS NUMBER OF GUESSES
150 A=100:M=7
170 INPUT "DO YOU WANT INSTRUCTIONS";A$
200 REM *** INSTRUCTIONS ON HOW TO PLAY
220 PRINT "TRY TO GUESS MY NUMBER. AFTER YOU GUESS, I"
230 PRINT "WILL TYPE ONE OR MORE STARS (*). THE MORE"
240 PRINT "STARS I TYPE, THE CLOSER YOU ARE TO MY NUMBER."
250 PRINT "ONE STAR (*) MEANS FAR AWAY, SEVEN STARS (*****)"
260 PRINT "MEANS REALLY CLOSE! YOU GET";M;"GUESSES."
270 REM *** COMPUTER THINKS OF A NUMBER
290 PRINT
300 X=INT(A*RND(1)+1)
310 PRINT "OK, I AM THINKING OF A NUMBER, START GUESSING."
320 INPUT U
340 PRINT
350 PRINT "YOUR GUESS";
360 INPUT G
360 PRINT "25 IS THE LIMIT."
380 D=ABS(G-X)
390 PRINT "TRY AGAIN,"
450 PRINT "*";
460 PRINT "*";
470 PRINT "*";
480 PRINT "*";
480 PRINT "THE STARTER COUNTS DOWN...5...4...3...2...1...GO!";
490 REM
500 PRINT "*";
510 PRINT "*";
540 REM *** DID NOT GUESS IN M GUESSES
550 PRINT
560 PRINT "SORRY, THAT'S";M;"GUESSES. THE NUMBER WAS";X
560 PRINT S;"M.P.H."
570 LET S1=S
610 PRINT "*";
630 PRINT:PRINT
660 END
680 PRINT:PRINT "YOU TOOK";(T+RND(1));"SECONDS."
690 LET M=T
790 PRINT "PLEASE TYPE 'YES' OR 'NO'"
810 STOP
957 PRINT
970 PRINT "YOU'VE TAKEN";(T+RND(1));"SECONDS."
1080 PRINT S;"M.P.H."
1400 LET S=S1
1530 PRINT CHR$(34);A$;CHR$(34);" IS AN ILLEGAL COMMAND--RETRY";
1570 PRINT"-----"
1660 LET G(1)=G(1)+1
1710 PRINT "YOU WON A BRONZE MEDAL"
1760 PRINT "GOLD MEDALS:";G(1)

```

### Stars Tic

TIC TAC TOE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THE GAME BOARD IS NUMBERED:

1	2	3
8	9	4
7	6	5

ONE STAR (\*) MEANS FAR AWAY, SEVEN STARS (\*\*\*\*\*)

> > > >

```

0 PRINT "### Stars Tic"
10 PRINT TAB(34);"STARS"
10 PRINT TAB(30);"TIC TAC TOE"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
30 PRINT:PRINT:PRINT
110 REM THE MACHINE GOES FIRST
120 PRINT "THE GAME BOARD IS NUMBERED:": PRINT
130 PRINT "1 2 3": PRINT "8 9 4": PRINT "7 6 5"
140 REM *** A IS LIMIT ON NUMBER, M IS NUMBER OF GUESSES
140 PRINT
150 A=100:M=7
150 REM
160 REM
170 INPUT "DO YOU WANT INSTRUCTIONS";A$
170 REM
190 REM
200 REM MAIN PROGRAM
210 PRINT "I AM THINKING OF A WHOLE NUMBER FROM 1 TO";A
210 PRINT
220 PRINT "TRY TO GUESS MY NUMBER. AFTER YOU GUESS, I"
220 PRINT
230 PRINT "WILL TYPE ONE OR MORE STARS (*). THE MORE"
230 A=9
240 M=A
250 PRINT "ONE STAR (*) MEANS FAR AWAY, SEVEN STARS (*****)"
260 PRINT "MEANS REALLY CLOSE! YOU GET";M;"GUESSES."
260 P=M
270 REM *** COMPUTER THINKS OF A NUMBER
270 B=FNRM(P+1)
290 PRINT
300 X=INT(A*RNDRND(1)+1)
310 PRINT "OK, I AM THINKING OF A NUMBER, START GUESSING."
330 M=C
340 PRINT
360 INPUT G
360 C=FNRM(B+2)
380 D=ABS(G-X)
390 R=M
410 D=FNRM(C+4)
450 PRINT "*";
460 PRINT "*";
460 D=FNRM(C+7)
470 PRINT "*";
470 M=D
480 PRINT "*";
490 PRINT "*";
510 PRINT "*";
510 M=D
550 E=FNRM(D+4)
560 PRINT "SORRY, THAT'S";M;"GUESSES. THE NUMBER WAS";X
560 M=E
590 REM *** WE HAVE A WINNER
590 E=FNRM(D+6)
600 M=E
620 PRINT "THE GAME IS A DRAW."
630 PRINT:PRINT
640 PRINT "YOU GOT IT IN";K;"GUESSES!!! LET'S PLAY AGAIN..."
660 END
660 PRINT "YOUR MOVE";
670 INPUT M
720 REM

```

\*\*\* Stars Wins

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

TO PLAY THE GAME, THE PLAYERS NEED 27 MARBLES OR  
AND (3) YOU CANNOT SKIP A TURN.

I AM THINKING OF A WHOLE NUMBER FROM 1 TO100  
TRY TO GUESS MY NUMBER. AFTER YOU GUESS, I  
MEANS REALLY CLOSE! YOU GET7GUESSES.

OK, I AM THINKING OF A NUMBER, START GUESSING.

YOUR GUESS? \*\*\*YOUR TOTAL IS> > >

```

0 PRINT "### Stars Wins"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
10 PRINT TAB(34);"STARS"
10 M1=0
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 DIM M(20),Y(20)
30 PRINT:PRINT:PRINT
40 PRINT "TO PLAY THE GAME, THE PLAYERS NEED 27 MARBLES OR"
150 A=100:M=7
160 PRINT "AND (3) YOU CANNOT SKIP A TURN."
170 INPUT "DO YOU WANT INSTRUCTIONS";A$
170 PRINT
210 PRINT "I AM THINKING OF A WHOLE NUMBER FROM 1 TO";A
220 PRINT "TRY TO GUESS MY NUMBER. AFTER YOU GUESS, I"
260 PRINT "MEANS REALLY CLOSE! YOU GET";M;"GUESSES."
270 REM *** COMPUTER THINKS OF A NUMBER
280 PRINT
300 X=INT(A*RND(1)+1)
310 PRINT "OK, I AM THINKING OF A NUMBER, START GUESSING."
320 REM *** GUESSING BEGINS, HUMAN GETS M GUESSES
340 PRINT
350 PRINT "YOUR GUESS";
360 INPUT G
380 D=ABS(G-X)
450 PRINT "*";
460 PRINT "*";
470 PRINT "*";
480 PRINT "*";
480 PRINT "YOUR TOTAL IS";Y1
490 PRINT "*";
500 PRINT "*";
510 PRINT "*";
520 PRINT
540 M=M+1
550 PRINT
560 PRINT "SORRY, THAT'S";M;"GUESSES. THE NUMBER WAS";X
610 PRINT "*";
640 PRINT "YOU GOT IT IN";K;"GUESSES!!! LET'S PLAY AGAIN..."
640 M=1
660 END
660 M=4
730 M=M-1
800 PRINT "I PICK UP";M;"MARBLES."
830 REM THIS IS WHERE I WIN
860 PRINT "TOTAL = 0"
870 M1=M1+M
900 PRINT " MY TOTAL IS";M1;" , YOUR TOTAL IS";Y1
950 PRINT " I WON. DO YOU WANT TO PLAY"
970 INPUT A1
1030 PRINT
1060 T=27
1070 PRINT
1080 PRINT
1120 PRINT
1170 PRINT "THE NUMBER OF MARBLES YOU TAKE MUST BE A POSITIVE"
1180 PRINT "INTEGER BETWEEN 1 AND 4."
1210 PRINT

```

### Stock Guess

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?

I'M THINKING OF A NUMBER BETWEEN 1 AND 2

NOW YOU TRY TO GUESS WHAT IT IS.

? TOO LOW. TRY A BIGGER ANSWER.

TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 2 TRIES.

YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2

VERY GOOD.

> >

```

0 PRINT "### Stock Guess"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 INPUT N
30 PRINT: PRINT: PRINT
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 PRINT "GOOD."
71 PRINT
99 END
114 LET A=INT((RND(X)/10)*100+.5)/100
122 PRINT "DO YOU WANT THE INSTRUCTIONS (YES-TYPE 1, NO-TYPE 0)";
132 PRINT "$10,000 AND MAY BUY OR SELL STOCKS. THE STOCK PRICES WILL"
135 PRINT "REPRESENT EXACTLY WHAT HAPPENS ON THE EXCHANGE. A TABLE"
137 PRINT "IN YOUR PORTFOLIO WILL BE PRINTED. FOLLOWING THIS, THE"
147 PRINT "-----GOOD LUCK!-----"
220 LET S(1)=100
230 LET S(2)=85
270 REM RANDOMIZE INITIAL VALUES
333 REM INITIALIZE CASH ASSETS:C
352 PRINT "RED CROSS OF AMERICA"," RCA",S(2)
380 LET T=T+S(I)*P(I)
413 INPUT Q9
416 REM INPUT TRANSACTIONS
440 INPUT Z(1)
500 INPUT Z(4)
622 REM TOTAL VALUE OF TRANSACTIONS:T5
773 PRINT "ABC", S(4), P(4), S(4)*P(4), C(4)
790 PRINT
829 REM NEW STOCK VALUES - SUBROUTINE
861 LET N1=N1-1
935 LET W3=0
939 LET W3=10
985 REM RANDOMLY CHANGE TREND SIGN AND SLOPE (A), AND DURATION
992 LET A=INT((RND(X)/10)*100+.5)/100

```

### Super Away

YOU ARE A PILOT IN A WORLD WAR II BOMBER.

WHAT SIDE -- ITALY<1>, ALLIES<2>, JAPAN<3>, GERMANY<4>YOUR TARGET --  
ALBANIA<1>, GREECE<2>, NORTH AFRICA<3>AIRCRAFT -- LIBERATOR<1>, B-29<2>,  
B-17<3>, LANCASTER<4>YOU'RE BUSTING A GERMAN HEAVY WATER PLANT IN THE  
RUHR.

YOU'RE FLYING A KAMIKAZE MISSION OVER THE USS LEXINGTON.

YOUR FIRST KAMIKAZE MISSION<Y OR N>

HOW MANY MISSIONS HAVE YOU FLOWN

HOW MANY MISSIONS HAVE YOU FLOWN>



```

0 PRINT "### Super Away"
8 PRINT "YOU ARE A PILOT IN A WORLD WAR II BOMBER."
10 INPUT "WHAT SIDE -- ITALY(1), ALLIES(2), JAPAN(3), GERMANY(4)";A
30 INPUT "YOUR TARGET -- ALBANIA(1), GREECE(2), NORTH AFRICA(3)";B
110 REM *** WITH A LITTLE HELP FROM HIS FRIENDS . . .
110 INPUT "AIRCRAFT -- LIBERATOR(1), B-29(2), B-17(3), LANCASTER(4)";G
160 REM *** BALTIMORE, MD 21203
190 PRINT "YOU'RE BUSTING A GERMAN HEAVY WATER PLANT IN THE RUHR."
200 PRINT "YOU'RE FLYING A KAMIKAZE MISSION OVER THE USS LEXINGTON."
205 INPUT "YOUR FIRST KAMIKAZE MISSION(Y OR N)";F$
220 PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT
227 PRINT:PRINT:PRINT:PRINT:PRINT:PRINT
285 INPUT "HOW MANY MISSIONS HAVE YOU FLOWN";D
340 INPUT "DOES THE ENEMY HAVE GUNS(1), MISSILES(2), OR BOTH(3)";R
384 PRINT "YOU HAVE BEEN SHOT DOWN....."
386 PRINT "DEARLY BELOVED, WE ARE GATHERED HERE TODAY TO PAY OUR"
390 PRINT:PRINT:PRINT:INPUT "ANOTHER MISSION (Y OR N)";U$
1160 B9=1:G(Q1,Q2)=G(Q1,Q2)+10:Q1=FNR(1):Q2=FNR(1)
2500 PRINT"ENGINEERING REPORTS INSUFFICIENT ENERGY AVAILABLE"
3930 PRINT"SHIELD CONTROL SUPPLIES ENERGY TO COMPLETE THE MANEUVER."
4360 PRINT"ENERGY AVAILABLE =";E;"UNITS"
6310 PRINT"THE FEDERATION IS IN NEED OF A NEW STARSHIP COMMANDER"
7376 PRINT" 3 = STARBASE NAV DATA"
7390 REM SETUP TO CHANGE CUM GAL RECORD TO GALAXY MAP
7550 PRINT"      1      2      3      4      5      6      7      8"

```

### Super Salvo

\*\*\*\*\*

\* \* \* SUPER STAR TREK \* \* \*

COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX).

\ENTERPRISE\; YOUR MISSION: TO SEEK AND DESTROY THE FLEET OF PLANETS.

COURSE IS IN A CIRCULAR NUMERICAL        4   3   2  
WAY BETWEEN 1 AND 2                                \*\*\*

\* \* \*

ONE WARP FACTOR IS THE SIZE OF  
USE COURSE 3, WARP FACTOR 1.

<\*> = YOUR STARSHIP'S POSITION

A CONDENSED 'STATUS REPORT' WILL ALSO BE PRESENTED.

\LRS\ COMMAND = LONG RANGE SENSOR SCAN

OF THE ENTERPRISE (WHICH IS IN THE MIDDLE OF THE SCAN)  
STARBASES, AND THE HUNDREDS DIGIT IS THE NUMBER OF

ALLOWS YOU TO DESTROY THE KLINGON BATTLE CRUISERS BY  
DEplete THEIR SHIELD POWER. (REMBER, KLINGONS HAVE  
PHASERS TOO)

\TOR\ COMMAND = PHOTON TORPEDO CONTROL

HIS PHASER FIRE. IN EITHER CASE, YOU ARE ALSO SUBJECT TO  
THE LIBRARY-COMPUTER (\COM\ COMMAND) HAS AN OPTION TO

GIVES THE STATE OF REPAIR OF ALL DEVICES. WHERE A NEGATIVE  
'STATE OF REPAIR' SHOWS THAT THE DEVICE IS TEMPORARILY  
DAMAGED.

THE LIBRARY-COMPUTER CONTAINS SIX OPTIONS:

THIS OPTION SHOWS COMPUTER MEMORY OF THE RESULTS OF ALL  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS OPTION GIVES DIRECTION AND DISTANCE TO ANY

THIS OPTION PRINTS THE NAMES OF THE SIXTEEN MAJOR

BATTLESHIP

> > > >

```

0 PRINT "### Super Salvo"
21 PRINT TAB(10);"*****"
30 PRINT TAB(10);" * * SUPER STAR TREK * * *"
50 REM POKE 1229,2:POKE 1237,3:NULL 1
120 PRINT"      COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX)."

```

### Super Slots

\*

\*

YOU WILL BE ASSIGNED A STARTING POINT SOMEWHERE IN THE  
KLINGON WARWHIPS WHICH ARE MENACING THE UNITED FEDERATION OF  
PLANETS.

YOU HAVE THE FOLLOWING COMMANDS AVAILABLE TO YOU AS CAPTAIN  
OF THE STARSHIP ENTERPRISE:

USED. (THUS COURSE 1.5 IS HALF- 5 ---\*--- 1  
? \SRS\ COMMAND = SHORT RANGE SENSOR SCAN

+K+ = KLINGON BATTLE CRUISER  
\* = STAR

\PHA\ COMMAND = PHASER CONTROL.  
ZAPPING THEM WITH SUITABLY LARGE UNITS OF ENERGY TO  
PHASERS TOO!  
\TOR\ COMMAND = PHOTON TORPEDO CONTROL

\*DOUBLE BAR\*

THE PHASER FIRE OF ALL OTHER KLINGONS IN THE QUADRANT.

\SHE\ COMMAND = SHIELD CONTROL  
DEFINES THE NUMBER OF ENERGY UNITS TO BE ASSIGNED TO THE  
SHIELDS. ENERGY IS TAKEN FROM TOTAL SHIP'S ENERGY. NOTE

\DAM\ COMMAND = DAMAGE CONTROL REPORT  
GIVES THE STATE OF REPAIR OF ALL DEVICES. WHERE A NEGATIVE  
'STATE OF REPAIR' SHOWS THAT THE DEVICE IS TEMPORARILY  
DAMAGED.

\COM\ COMMAND = LIBRARY-COMPUTER  
OPTION 1 = STATUS REPORT  
OPTION 3 = STARBASE NAV DATA  
OPTION 4 = DIRECTION/DISTANCE CALCULATOR  
DIRECTION/DISTANCE CALCULATIONS  
THIS OPTION PRINTS THE NAMES OF THE SIXTEEN MAJOR

LEMON  
CHERRY

> > >

```

0 PRINT "### Super Slots"
30 PRINT: PRINT: PRINT
31 PRINT TAB(10);"*"
100 PRINT
110 PRINT"1. WHEN YOU SEE \COMMAND ?\ PRINTED, ENTER ONE OF THE LEGAL"
110 REM IT SIMULATES THE SLOT MACHINE.
260 PRINT
300 PRINT"      YOU WILL BE ASSIGNED A STARTING POINT SOMEWHERE IN THE"
330 PRINT"KLINGON WARWHIPS WHICH ARE MENACING THE UNITED FEDERATION OF"
340 PRINT"PLANETS."
370 PRINT"      YOU HAVE THE FOLLOWING COMMANDS AVAILABLE TO YOU AS
CAPTAIN"
380 PRINT"OF THE STARSHIP ENTERPRISE:"
430 PRINT"      USED. (THUS COURSE 1.5 IS HALF-      5 ---*--- 1"
530 INPUT A$
540 PRINT"\SR5\ COMMAND = SHORT RANGE SENSOR SCAN"
550 PRINT
580 PRINT"      +K+ = KLINGON BATTLE CRUISER"
600 PRINT"      * = STAR"
620 PRINT
705 PRINT
710 PRINT
720 PRINT"\PHA\ COMMAND = PHASER CONTROL."
740 PRINT"      ZAPPING THEM WITH SUITABLY LARGE UNITS OF ENERGY TO"
760 PRINT"      PHASERS TOO!"
780 PRINT"\TOR\ COMMAND = PHOTON TORPEDO CONTROL"
820 PRINT:PRINT"*DOUBLE BAR*"
825 PRINT"      THE PHASER FIRE OF ALL OTHER KLINGONS IN THE QUADRANT."
860 PRINT"\SHE\ COMMAND = SHIELD CONTROL"
870 PRINT"      DEFINES THE NUMBER OF ENERGY UNITS TO BE ASSIGNED TO
THE"
880 PRINT"      SHIELDS. ENERGY IS TAKEN FROM TOTAL SHIP'S ENERGY.
NOTE"
910 PRINT"\DAM\ COMMAND = DAMAGE CONTROL REPORT"
920 PRINT"      GIVES THE STATE OF REPAIR OF ALL DEVICES. WHERE A
NEGATIVE"
930 PRINT"      'STATE OF REPAIR' SHOWS THAT THE DEVICE IS TEMPORARILY"
940 PRINT"      DAMAGED."
960 PRINT"\COM\ COMMAND = LIBRARY-COMPUTER"
1010 PRINT"      OPTION 1 = STATUS REPORT"
1070 PRINT"      OPTION 3 = STARBASE NAV DATA"
1100 PRINT"      OPTION 4 = DIRECTION/DISTANCE CALCULATOR"
1120 PRINT"      DIRECTION/DISTANCE CALCULATIONS"
1140 PRINT"      THIS OPTION PRINTS THE NAMES OF THE SIXTEEN MAJOR "
1210 PRINT" LEMON"
1250 PRINT" CHERRY"
1320 PRINT CHR$(7);
1343 P=(((2*M)+M)+P)
1990 REM POKE 1229,0:POKE 1237,1:NULL 0
9999 END

```

### Super Super

\*\*\*\*\*  
\* \*  
\* \*

COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX).  
LIST OF THE LEGAL COMMANDS PRINTED OUT.  
AND EACH QUADRANT IS FURTHER DIVIDED INTO AN 8 X 8 SECTOR GRID.

GALAXY TO BEGIN A TOUR OF DUTY AS COMANDER OF THE STARSHIP  
\ENTERPRISE\; YOUR MISSION: TO SEEK AND DESTROY THE FLEET OF  
PLANETS.  
OF THE STARSHIP ENTERPRISE:

\NAV\ COMMAND = WARP ENGINE CONTROL --  
VECTOR ARRANGEMENT AS SHOWN . . .  
INTEGER AND REAL VALUES MAY BE \*\*\*  
USED. (THUS COURSE 1.5 IS HALF- 5 ---\*--- 1  
ITSELF IS EQUIVALENT TO 1.0 . . .  
COURSE

SHOWS YOU A SCAN OF YOUR PRESENT QUADRANT.  
>k = FEDERATION STARBASE (REFUEL/REPAIR/RE-ARM HERE!)  
\* = STAR

A CONDENSED 'STATUS REPORT' WILL ALSO BE PRESENTED.

IS THE NUMBER OF STARS, THE TENS DIGIT IS THE NUMBER OF  
STARBASES, AND THE HUNDREDS DIGIT IS THE NUMBER OF

EXAMPLE - 207 = 2 KLINGONS, NO STARBASES, & 7 STARS.

\PHA\ COMMAND = PHASER CONTROL.  
DEplete THEIR SHIELD POWER. (REMBER, KLINGONS HAVE  
TORPEDO COURSE IS THE SAME AS USED IN WARP ENGINE CONTROL  
HIS PHASER FIRE. IN EITHER CASE, YOU ARE ALSO SUBJECT TO  
THE PHASER FIRE OF ALL OTHER KLINGONS IN THE QUADRANT.  
THE LIBRARY-COMPUTER (\COM\ COMMAND) HAS AN OPTION TO

\SHE\ COMMAND = SHIELD CONTROL  
DEFINES THE NUMBER OF ENERGY UNITS TO BE ASSIGNED TO THE  
\DAM\ COMMAND = DAMAGE CONTROL REPORT  
DAMAGED.  
\COM\ COMMAND = LIBRARY-COMPUTER  
OPTION 0 = CUMULATIVE GALACTIC RECORD  
PREVIOUS SHORT AND LONG RANGE SENSOR SCANS  
OPTION 1 = STATUS REPORT  
AND STARBASES REMAINING IN THE GAME.  
WHICH GIVES DIRECTIONS AND DISTANCE FROM THE ENTERPRISE  
TO ALL KLINGONS IN YOUR QUADRANT  
OPTION 3 = STARBASE NAV DATA  
OPTION 4 = DIRECTION/DISTANCE CALCULATOR  
GALACTIC REGIONS REFERRED TO IN THE GAME.

> > > >

```

0 PRINT "### Super Super"
21 PRINT TAB(10);"*****"
23 PRINT TAB(10);"*"
31 PRINT TAB(10);"*"
100 PRINT
120 PRINT"      COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX)."
120 PRINT"      COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX)."
140 PRINT"      LIST OF THE LEGAL COMMANDS PRINTED OUT."
140 PRINT"      LIST OF THE LEGAL COMMANDS PRINTED OUT."
280 PRINT"AND EACH QUADRANT IS FURTHER DIVIDED INTO AN 8 X 8 SECTOR GRID."
290 PRINT
310 PRINT"GALAXY TO BEGIN A TOUR OF DUTY AS COMANDER OF THE STARSHIP"
310 PRINT"GALAXY TO BEGIN A TOUR OF DUTY AS COMANDER OF THE STARSHIP"
320 PRINT"\ENTERPRISE\; YOUR MISSION: TO SEEK AND DESTROY THE FLEET OF"
340 PRINT"PLANETS."
340 PRINT"PLANETS."
380 PRINT"OF THE STARSHIP ENTERPRISE:"
385 PRINT
390 PRINT"\NAV\ COMMAND = WARP ENGINE CONTROL --"
410 PRINT"      VECTOR ARRANGEMENT AS SHOWN
410 PRINT"      VECTOR ARRANGEMENT AS SHOWN
420 PRINT"      INTEGER AND REAL VALUES MAY BE
420 PRINT"      INTEGER AND REAL VALUES MAY BE
430 PRINT"      USED. (THUS COURSE 1.5 IS HALF-
450 PRINT"
470 PRINT"      ITSELF IS EQUIVALENT TO 1.0"
480 PRINT"
530 PRINT
550 PRINT"      SHOWS YOU A SCAN OF YOUR PRESENT QUADRANT."
590 PRINT"      >k = FEDERATION STARBASE (REFUEL/REPAIR/RE-ARM HERE!)"
600 PRINT"      * = STAR"
605 PRINT
610 PRINT"      A CONDENSED 'STATUS REPORT' WILL ALSO BE PRESENTED."
620 PRINT
680 PRINT"      IS THE NUMBER OF STARS, THE TENS DIGIT IS THE NUMBER OF"
680 PRINT"      IS THE NUMBER OF STARS, THE TENS DIGIT IS THE NUMBER OF"
690 PRINT"      STARBASES, AND THE HUNDREDS DIGIT IS THE NUMBER OF"
705 PRINT
706 PRINT"      EXAMPLE - 207 = 2 KLINGONS, NO STARBASES, & 7 STARS."
720 PRINT"\PHA\ COMMAND = PHASER CONTROL."
750 PRINT"      DEplete THEIR SHIELD POWER. (REMBER, KLINGONS HAVE"
750 PRINT"      DEplete THEIR SHIELD POWER. (REMBER, KLINGONS HAVE"
790 PRINT"      TORPEDO COURSE IS THE SAME AS USED IN WARP ENGINE CONTROL"
820 PRINT"      HIS PHASER FIRE. IN EITHER CASE, YOU ARE ALSO SUBJECT TO "
825 PRINT"      THE PHASER FIRE OF ALL OTHER KLINGONS IN THE QUADRANT."
835 PRINT"      THE LIBRARY-COMPUTER (\COM\ COMMAND) HAS AN OPTION TO "
850 PRINT
860 PRINT"\SHE\ COMMAND = SHIELD CONTROL"
860 PRINT"\SHE\ COMMAND = SHIELD CONTROL"
870 PRINT"      DEFINES THE NUMBER OF ENERGY UNITS TO BE ASSIGNED TO THE"
910 PRINT"\DAM\ COMMAND = DAMAGE CONTROL REPORT"
940 PRINT"      DAMAGED."
940 PRINT"      DAMAGED."
960 PRINT"\COM\ COMMAND = LIBRARY-COMPUTER"
960 PRINT"\COM\ COMMAND = LIBRARY-COMPUTER"
980 PRINT"      OPTION 0 = CUMULATIVE GALACTIC RECORD"
1000 PRINT"      PREVIOUS SHORT AND LONG RANGE SENSOR SCANS"
1010 PRINT"      OPTION 1 = STATUS REPORT"
1010 PRINT"      OPTION 1 = STATUS REPORT"
1030 PRINT"      AND STARBASES REMAINING IN THE GAME."
1050 PRINT"      WHICH GIVES DIRECTIONS AND DISTANCE FROM THE ENTERPRISE"
1060 PRINT"      TO ALL KLINGONS IN YOUR QUADRANT"
1070 PRINT"      OPTION 3 = STARBASE NAV DATA"
1100 PRINT"      OPTION 4 = DIRECTION/DISTANCE CALCULATOR"
1150 PRINT"      GALACTIC REGIONS REFERRED TO IN THE GAME."
1150 PRINT"      GALACTIC REGIONS REFERRED TO IN THE GAME."
1990 REM POKE 1229,0:POKE 1237,1:NULL 0
2000 REM PRINT:PRINT:PRINT

```

### Synonym 23

SYNONYM  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

23 MATCHES  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

LANGUAGE WHICH HAS THE SAME OR VERY NEARLY THE SAME MATCHES. THE OBJECT  
OF THE GAME IS NOT TO HAVE TO TAKE  
THE LAST MATCH.

LET'S FLIP A COIN TO SEE WHO GOES FIRST.  
AND I WILL TELL YOU A SYNONYM.

PREPARE TO LOSE, MEATBALL-NOSE!!

> > > >



```

0 PRINT "### Synonym 23"
2 PRINT TAB(33);"SYNONYM"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT: PRINT: PRINT
10 DIM R$(5),W$(10),L(30),R(30)
20 R$(1)="RIGHT": R$(2)="CORRECT": R$(3)="FINE": R$(4)="GOOD!"
20 PRINT TAB(31);"23 MATCHES"
30 R$(5)="CHECK"
30 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
40 PRINT:PRINT:PRINT
90 PRINT "A SYNONYM OF A WORD MEANS ANOTHER WORD IN THE ENGLISH"
90 PRINT
100 PRINT "LANGUAGE WHICH HAS THE SAME OR VERY NEARLY THE SAME";
110 PRINT " MEANING."
110 PRINT "MATCHES. THE OBJECT OF THE GAME IS NOT TO HAVE TO TAKE"
120 PRINT "THE LAST MATCH."
130 PRINT "I CHOOSE A WORD -- YOU TYPE A SYNONYM."
130 PRINT
140 PRINT "LET'S FLIP A COIN TO SEE WHO GOES FIRST."
145 PRINT "AND I WILL TELL YOU A SYNONYM": PRINT
155 PRINT
160 REM
165 N = 23
170 N1=INT(RND(1)*N+1)
176 R(N1)=1
195 PRINT
220 PRINT "PREPARE TO LOSE, MEATBALL-NOSE!!"
230 PRINT
235 L(0)=N2: G=1: PRINT
237 L(G)=L(L(0)): L(0)=N2-1: PRINT
240 PRINT " WHAT IS A SYNONYM OF ";W$(G);: INPUT A$
270 PRINT "THE NUMBER OF MATCHES IS NOW" N
290 PRINT "YOUR TURN -- YOU MAY TAKE 1, 2 OR 3 MATCHES."
300 PRINT "HOW MANY DO YOU WISH TO REMOVE",
310 INPUT K
340 N = N - K
350 PRINT "THERE ARE NOW";N;"MATCHES REMAINING."
380 PRINT
385 Z = 1
390 PRINT "MY TURN ! I REMOVE" Z "MATCHES"
450 PRINT "NOW, HOW MANY MATCHES DO YOU WANT",
470 PRINT
490 PRINT "HA ! HA ! I BEAT YOU !!!"
500 PRINT
510 DATA 5,"FIRST","START","BEGINNING","ONSET","INITIAL"
510 PRINT "GOOD BYE LOSER!"
530 DATA 5,"MODEL","PATTERN","PROTOTYPE","STANDARD","CRITERION"
530 PRINT "YOU WON, FLOPPY EARS !"
540 PRINT "THINK YOU'RE PRETTY SMART !"
550 DATA 6,"STOP","HALT","STAY","ARREST","CHECK","STANDSTILL"
550 PRINT "LETS PLAY AGAIN AND I'LL BLOW YOUR SHOES OFF !!"
560 DATA 6,"HOUSE","DWELLING","RESIDENCE","DOMICILE","LODGING"
560 STOP
565 DATA "HABITATION"
580 DATA 7,"PUSH","SHOVE","THRUST","PROD","POKE","BUTT","PRESS"
600 DATA 7,"PAIN","SUFFERING","HURT","MISERY","DISTRESS","ACHE"
999 END

```

### Synonym Bombardment

	SYNONYM
CREATIVE COMPUTING	MORRISTOWN, NEW JERSEY
CREATIVE COMPUTING	MORRISTOWN, NEW JERSEY

A SYNONYM OF A WORD MEANS ANOTHER WORD IN THE ENGLISH  
YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU  
HAVE 25 OUTPOSTS AVAILABLE WHERE THEY MAY BE PLACED.  
AND I WILL TELL YOU A SYNONYM.

THE ONE WHO DESTROYS ALL FOUR OF THE ENEMY'S PLATOONS  
FIRST IS THE WINNER.

> > > >

```

0 PRINT "### Synonym Bombardment"
2 PRINT TAB(33);"SYNONYM"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
10 DIM R$(5),W$(10),L(30),R(30)
20 R$(1)="RIGHT": R$(2)="CORRECT": R$(3)="FINE": R$(4)="GOOD!"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 R$(5)="CHECK"
30 PRINT:PRINT:PRINT
90 PRINT "A SYNONYM OF A WORD MEANS ANOTHER WORD IN THE ENGLISH"
100 PRINT "LANGUAGE WHICH HAS THE SAME OR VERY NEARLY THE SAME";
100 PRINT "YOU ARE ON A BATTLEFIELD WITH 4 PLATOONS AND YOU"
110 PRINT "HAVE 25 OUTPOSTS AVAILABLE WHERE THEY MAY BE PLACED."
145 PRINT "AND I WILL TELL YOU A SYNONYM.": PRINT
160 PRINT "THE ONE WHO DESTROYS ALL FOUR OF THE ENEMY'S PLATOONS"
170 N1=INT(RND(1)*N+1)
170 PRINT "FIRST IS THE WINNER."
176 R(N1)=1
180 PRINT
190 PRINT "GOOD LUCK... AND TELL US WHERE YOU WANT THE BODIES SENT!"
235 L(0)=N2: G=1: PRINT
240 PRINT "      WHAT IS A SYNONYM OF ";W$(G);: INPUT A$
290 PRINT I,I+1,I+2,I+3,I+4
340 G1=INT(RND(1)*L(0)+1)
360 PRINT "**** A SYNONYM OF ";W$(G);: IS ";W$(L(G1));: PRINT
390 D=INT(RND(1)*25)+1
400 E=INT(RND(1)*25)+1
410 F=INT(RND(1)*25)+1
480 PRINT "WHAT ARE YOUR FOUR POSITIONS";
495 PRINT
500 DATA 10
510 DATA 5,"FIRST","START","BEGINNING","ONSET","INITIAL"
510 INPUT Y
520 DATA 5,"SIMILAR","ALIKE","SAME","LIKE","RESEMBLING"
530 DATA 5,"MODEL","PATTERN","PROTOTYPE","STANDARD","CRITERION"
550 DATA 6,"STOP","HALT","STAY","ARREST","CHECK","STANDSTILL"
560 DATA 6,"HOUSE","DWELLING","RESIDENCE","DOMICILE","LODGING"
565 DATA "HABITATION"
570 DATA 7,"PIT","HOLE","HOLLOW","WELL","GULF","CHASM","ABYSS"
570 M=INT(RND(1)*25)+1
630 PRINT "HA, HA YOU MISSED. MY TURN NOW:"
670 PRINT "I MISSED YOU, YOU DIRTY RAT. I PICKED";M". YOUR TURN:"
710 Q=Q+1
890 PRINT "YOU GOT ME, I'M GOING FAST. BUT I'LL GET YOU WHEN"
920 Z=Z+1
999 END
1070 PRINT "YOU HAVE ONLY ONE OUTPOST LEFT."
1210 X=M
1220 M(P)=M

```

### ### Synonym Cube

A SYNONYM OF A WORD MEANS ANOTHER WORD IN THE ENGLISH LANGUAGE WHICH HAS THE SAME OR VERY NEARLY THE SAME MEANING. THIS IS A GAME IN WHICH YOU WILL BE PLAYING AGAINST THE AND I WILL TELL YOU A SYNONYM.

YOU ARE AUTOMATICALLY AT LOCATION 1,1,1. THE OBJECT OF THE GAME IS TO GET TO LOCATION 3,3,3. ONE MINOR DETAIL: YOU LOSE. ONE OTHER DETAIL: YOU MAY MOVE ONLY ONE SPACE MAY MOVE TO 2,1,2 OR 1,1,3. YOU MAY NOT CHANGE  
> > > >

```

0 PRINT "### Synonym Cube"
6 PRINT: PRINT: PRINT
10 DIM R$(5),W$(10),L(30),R(30)
20 R$(1)="RIGHT": R$(2)="CORRECT": R$(3)="FINE": R$(4)="GOOD!"
70 C=0
90 PRINT "A SYNONYM OF A WORD MEANS ANOTHER WORD IN THE ENGLISH"
100 PRINT "LANGUAGE WHICH HAS THE SAME OR VERY NEARLY THE SAME";
110 PRINT " MEANING."
130 PRINT "I CHOOSE A WORD -- YOU TYPE A SYNONYM."
130 PRINT"THIS IS A GAME IN WHICH YOU WILL BE PLAYING AGAINST THE"
145 PRINT "AND I WILL TELL YOU A SYNONYM.": PRINT
170 N1=INT(RND(1)*N+1)
170 PRINT"YOU ARE AUTOMATICALLY AT LOCATION 1,1,1. THE OBJECT OF"
180 PRINT"THE GAME IS TO GET TO LOCATION 3,3,3. ONE MINOR DETAIL:"
210 PRINT"YOU LOSE. ONE OTHER DETAIL: YOU MAY MOVE ONLY ONE SPACE "
230 PRINT"MAY MOVE TO 2,1,2 OR 1,1,3. YOU MAY NOT CHANGE"
235 L(0)=N2: G=1: PRINT
240 PRINT "      WHAT IS A SYNONYM OF ";W$(G);: INPUT A$
250 PRINT"MOVE, YOU LOSE AND THE COMPUTER TAKES THE MONEY YOU MAY"
260 PRINT"HAVE BET ON THAT ROUND."
280 PRINT
330 PRINT"OF DOLLARS (EXAMPLE: 250) YOU ARE AUTOMATICALLY STARTED WITH"
340 G1=INT(RND(1)*L(0)+1)
360 PRINT "**** A SYNONYM OF ";W$(G);: IS ";W$(L(G1));: PRINT
400 LET A=3
410 LET B=INT(3*(RND(X)))
430 LET B=2
500 DATA 10
510 DATA 5,"FIRST","START","BEGINNING","ONSET","INITIAL"
520 DATA 5,"SIMILAR","ALIKE","SAME","LIKE","RESEMBLING"
530 LET F=INT(3*(RND(X)))
550 DATA 6,"STOP","HALT","STAY","ARREST","CHECK","STANDSTILL"
560 DATA 6,"HOUSE","DWELLING","RESIDENCE","DOMICILE","LODGING"
565 DATA "HABITATION"
570 DATA 7,"PIT","HOLE","HOLLOW","WELL","GULF","CHASM","ABYSS"
580 DATA 7,"PUSH","SHOVE","THRUST","PROD","POKE","BUTT","PRESS"
590 DATA 6,"RED","ROUGE","SCARLET","CRIMSON","FLAME","RUBY"
600 DATA 7,"PAIN","SUFFERING","HURT","MISERY","DISTRESS","ACHE"
610 LET H=3
620 LET I=INT(3*(RND(X)))
640 LET I=2
790 LET N=1
830 PRINT "WANT TO MAKE A WAGER?"
870 INPUT Z1
890 LET X=1
1050 LET W=P
1500 PRINT " YOU NOW HAVE"; Z2; "DOLLARS."
1522 PRINT"TRIED TO FOOL ME; BET AGAIN";
1530 PRINT"CONGRATULATIONS!"
1550 LET Z2=A1+Z1
1570 LET A1=Z2

```

### Synonym Even

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A TWO PERSON GAME CALLED 'EVEN WINS.'

THE 2 PLAYERS ALTERNATE TURNS, WITH EACH PLAYER  
A SYNONYM OF A WORD MEANS ANOTHER WORD IN THE ENGLISH  
ENDS WHEN THERE ARE NO MARBLES LEFT, AND THE WINNER  
MEANING.

AND I WILL TELL YOU A SYNONYM.

> > > >

```

0 PRINT "### Synonym Even"
2 PRINT TAB(33);"SYNONYM"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
4 Y1=0
10 DIM R$(5),W$(10),L(30),R(30)
10 M1=0
30 R$(5)="CHECK"
30 PRINT " THIS IS A TWO PERSON GAME CALLED 'EVEN WINS.'"
60 PRINT
80 PRINT " THE 2 PLAYERS ALTERNATE TURNS, WITH EACH PLAYER"
90 PRINT "A SYNONYM OF A WORD MEANS ANOTHER WORD IN THE ENGLISH"
100 PRINT "LANGUAGE WHICH HAS THE SAME OR VERY NEARLY THE SAME";
100 PRINT "ENDS WHEN THERE ARE NO MARBLES LEFT, AND THE WINNER"
110 PRINT " MEANING."
120 PRINT
145 PRINT "AND I WILL TELL YOU A SYNONYM.": PRINT
170 N1=INT(RND(1)*N+1)
176 R(N1)=1
235 L(0)=N2: G=1: PRINT
237 L(G)=L(L(0)): L(0)=N2-1: PRINT
240 PRINT " WHAT IS A SYNONYM OF ";W$(G);: INPUT A$
250 T=27
300 PRINT "I PICK UP";M;"MARBLES."
330 PRINT
340 G1=INT(RND(1)*L(0)+1)
440 T=T-Y
460 PRINT "TOTAL=";T
510 DATA 5,"FIRST","START","BEGINNING","ONSET","INITIAL"
520 DATA 5,"SIMILAR","ALIKE","SAME","LIKE","RESEMBLING"
560 DATA 6,"HOUSE","DWELLING","RESIDENCE","DOMICILE","LODGING"
560 T=T-M
565 DATA "HABITATION"
570 DATA 7,"PIT","HOLE","HOLLOW","WELL","GULF","CHASM","ABYSS"
580 DATA 7,"PUSH","SHOVE","THRUST","PROD","POKE","BUTT","PRESS"
590 DATA 6,"RED","ROUGE","SCARLET","CRIMSON","FLAME","RUBY"
590 T=T-M
660 M=4
670 T=T-M
790 REM IS = ZERO HERE
870 M1=M1+M
950 PRINT " I WON. DO YOU WANT TO PLAY"
970 INPUT A1
999 END
1060 T=27
1120 PRINT
1130 PRINT "WHAT IS YOUR FIRST MOVE";
1170 PRINT "THE NUMBER OF MARBLES YOU TAKE MUST BE A POSITIVE"
1230 END

```

### Synonym Tower

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

A SYNONYM OF A WORD MEANS ANOTHER WORD IN THE ENGLISH  
MEANING.

I CHOOSE A WORD -- YOU TYPE A SYNONYM.  
AND I WILL TELL YOU A SYNONYM.

> > > >



```

0 PRINT "### Synonym Tower"
6 PRINT: PRINT: PRINT
10 DIM R$(5),W$(10),L(30),R(30)
20 R$(1)="RIGHT": R$(2)="CORRECT": R$(3)="FINE": R$(4)="GOOD!"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 R$(5)="CHECK"
30 PRINT:PRINT:PRINT
70 C=0
90 PRINT "A SYNONYM OF A WORD MEANS ANOTHER WORD IN THE ENGLISH"
100 REM*** INITIALIZE
110 PRINT " MEANING."
130 PRINT "I CHOOSE A WORD -- YOU TYPE A SYNONYM."
145 PRINT "AND I WILL TELL YOU A SYNONYM.": PRINT
170 N1=INT(RND(1)*N+1)
180 PRINT "TOWERS OF HANOI PUZZLE.": PRINT
200 PRINT "YOU MUST TRANSFER THE DISKS FROM THE LEFT TO THE RIGHT"
205 PRINT "TOWER, ONE AT A TIME, NEVER PUTTING A LARGER DISK ON A"
220 PRINT
235 L(0)=N2: G=1: PRINT
240 PRINT " WHAT IS A SYNONYM OF ";W$(G);: INPUT A$
340 REM *** STORE DISKS FROM SMALLEST TO LARGEST
360 PRINT "***** A SYNONYM OF ";W$(G);: IS ";W$(L(G1));".": PRINT
375 PRINT "ARE NUMBERED FROM LEFT TO RIGHT, 1 TO 3. WE WILL"
385 PRINT "TO NEEDLE 3."
480 PRINT "WHICH DISK WOULD YOU LIKE TO MOVE";:E=0
510 DATA 5,"FIRST","START","BEGINNING","ONSET","INITIAL"
520 PRINT "ILLEGAL ENTRY... YOU MAY ONLY TYPE 3,5,7,9,11,13, OR 15."
550 DATA 6,"STOP","HALT","STAY","ARREST","CHECK","STANDSTILL"
560 DATA 6,"HOUSE","DWELLING","RESIDENCE","DOMICILE","LODGING"
565 DATA "HABITATION"
570 DATA 7,"PIT","HOLE","HOLLOW","WELL","GULF","CHASM","ABYSS"
590 DATA 6,"RED","ROUGE","SCARLET","CRIMSON","FLAME","RUBY"
600 DATA 7,"PAIN","SUFFERING","HURT","MISERY","DISTRESS","ACHE"
680 PRINT "THAT DISK IS BELOW ANOTHER ONE. MAKE ANOTHER CHOICE."
700 E=0
925 REM *** LOCATE EMPTY SPACE ON NEEDLE N
965 REM *** MOVE DISK AND SET OLD LOCATION TO 0
980 T(U,N)=T(U,W): T(U,W)=0
999 END
1250 Z=10
1340 Z=Z+21

```

### Tac Guess

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?  
I'M THINKING OF A NUMBER BETWEEN 1 AND 2  
NOW YOU TRY TO GUESS WHAT IT IS.  
? TOO LOW. TRY A BIGGER ANSWER.  
TOO HIGH. TRY A SMALLER ANSWER.  
THAT'S IT! YOU GOT IT IN 2 TRIES.  
YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2  
VERY GOOD.

> >

```

0 PRINT "### Tac Guess"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(30);"TIC-TAC-TOE"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
6 PRINT:PRINT:PRINT
7 PRINT
8 PRINT "THE BOARD IS NUMBERED:"
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT " 7   8   9"
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
20 DIM S(9)
20 INPUT N
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 P$="O":Q$="X"
60 PRINT "GOOD."
71 PRINT
99 END
189 S(9)=-1
1018 PRINT P$ " ";
1030 PRINT:PRINT"----+----+----"
1060 PRINT"!";
1400 PRINT"IT'S A DRAW. THANK YOU."

```

### Target Batnum

CREATIVE COMPUTING      TARGET  
MORRISTOWN, NEW JERSEY

YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE

THE GAME STARTS WITH AN ASSUMED PILE OF OBJECTS. YOU  
OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,  
WINNING IS DEFINED IN ADVANCE AS TAKING THE LAST OBJECT OR  
DESTROYED!

GOOD LUCK!!

ENTER PILE SIZE TARGET SIGHTED: APPROXIMATE COORDINATES:  
X=2852.33667698809    Y=34673.05033920507    Z=-9449.115540796221  
ENTER WIN OPTION - 1 TO TAKE LAST, 2 TO AVOID LAST:  
INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z, DISTANCE> >

```

0 PRINT "### Target Batnum"
10 PRINT TAB(33);"TARGET"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT: PRINT: PRINT
100 R=1: R1=57.296: P=3.14159
110 PRINT "YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE"
130 PRINT "ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD"
130 PRINT
140 PRINT "THE GAME STARTS WITH AN ASSUMED PILE OF OBJECTS. YOU"
150 PRINT "OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,"
160 PRINT "WINNING IS DEFINED IN ADVANCE AS TAKING THE LAST OBJECT OR"
190 PRINT "DESTROYED!": PRINT: PRINT "GOOD LUCK!": PRINT: PRINT
220 A=RND(1)*2*P: B=RND(1)*2*P: Q=INT(A*R1): W=INT(B*R1)
230 PRINT
280 P1=100000*RND(1)+RND(1): X=SIN(B)*COS(A)*P1: Y=SIN(B)*SIN(A)*P1
290 Z=COS(B)*P1
330 INPUT "ENTER PILE SIZE":N
340 PRINT "TARGET SIGHTED: APPROXIMATE COORDINATES: X=";X;" Y=";Y;"
Z=";Z
390 PRINT " ESTIMATED DISTANCE:";P3
390 INPUT "ENTER WIN OPTION - 1 TO TAKE LAST, 2 TO AVOID LAST: ";M
400 PRINT:PRINT "INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z,
DISTANCE":
420 A1=A1/R1: B1=B1/R1: PRINT "RADIAN5 FROM X AXIS =" ;A1;" ";
425 PRINT "FROM Z AXIS =" ;B1
480 X1=P2*SIN(B1)*COS(A1): Y1=P2*SIN(B1)*SIN(A1): Z1=P2*COS(B1)
500 PRINT:PRINT
510 D=((X1-X)^2+(Y1-Y)^2+(Z1-Z)^2)^(1/2)
530 PRINT: PRINT " * * * HIT * * * TARGET IS NON-FUNCTIONAL": PRINT
570 PRINT: PRINT "MISSION ACCOMPLISHED IN ";R;" SHOTS."
600 Q=N
620 Q=Q-1
660 PRINT "COMPUTER TAKES";N;"AND LOSES."
720 P=Q-C*INT(Q/C)
730 PRINT "SHOT BEHIND TARGET";-X2;"KILOMETERS."
740 P=A
760 P=B
810 PRINT "SHOT BELOW TARGET";-Z2;"KILOMETERS."
820 PRINT "APPROX POSITION OF EXPLOSION: X=";X1;" Y=";Y1;" Z=";Z1
920 PRINT "ILLEGAL MOVE, REENTER IT ";
980 W=1
1000 PRINT "CONGRATULATIONS, YOU WIN."
1060 W=0

```

### Target Bombs  
WHAT SIDE -- ITALY(1), ALLIES(2), JAPAN(3), GERMANY(4)

SHOULD BE EASY -- YOU'RE FLYING A NAZI-MADE PLANE.  
AIRCRAFT -- LIBERATOR(1), B-29(2), B-17(3), LANCASTER(4)ARE IN A THREE-  
DIMENSIONAL RANGE. YOU WILL BE TOLD  
AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET.  
DESTROYED!

GOOD LUCK!!

YOU'RE FLYING A KAMIKAZE MISSION OVER THE USS LEXINGTON.  
YOUR FIRST KAMIKAZE MISSIONY OR N)RADIANS FROM X AXIS =2 FROM Z AXIS  
=>

```

0 PRINT "### Target Bombs"
10 PRINT TAB(33);"TARGET"
10 INPUT "WHAT SIDE -- ITALY(1), ALLIES(2), JAPAN(3), GERMANY(4)";A
30 PRINT: PRINT: PRINT
50 PRINT "SHOULD BE EASY -- YOU'RE FLYING A NAZI-MADE PLANE."
100 R=1: R1=57.296: P=3.14159
110 PRINT "YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE"
110 INPUT "AIRCRAFT -- LIBERATOR(1), B-29(2), B-17(3), LANCASTER(4)";G
130 PRINT "ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD"
170 PRINT "AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET."
190 PRINT "DESTROYED!": PRINT: PRINT "GOOD LUCK!!":PRINT: PRINT
200 PRINT "YOU'RE FLYING A KAMIKAZE MISSION OVER THE USS LEXINGTON."
205 INPUT "YOUR FIRST KAMIKAZE MISSION(Y OR N)";F$
260 PRINT "RADIANS FROM X AXIS =";A;" FROM Z AXIS =";B
270 PRINT "NEARING VERSAILLES. DUCK SOUP. THEY'RE NEARLY DEFENSELESS."
280 P1=100000*AND(1)+AND(1): X=SIN(B)*COS(A)*P1: Y=SIN(B)*SIN(A)*P1
280 PRINT
285 INPUT "HOW MANY MISSIONS HAVE YOU FLOWN";D
290 Z=COS(B)*P1
292 PRINT "MISSIONS, NOT MILES..."
340 PRINT "TARGET SIGHTED: APPROXIMATE COORDINATES: X=";X;" Y=";Y;"
Z=";Z
340 INPUT "DOES THE ENEMY HAVE GUNS(1), MISSILES(2), OR BOTH(3)";R
355 INPUT "WHAT'S THE PERCENT HIT RATE OF ENEMY GUNNERS (10 TO 50)";S
358 PRINT
375 P3=P1
380 PRINT "* * * * BOOM * * * *"
384 PRINT "YOU HAVE BEEN SHOT DOWN....."
386 PRINT "DEARLY BELOVED, WE ARE GATHERED HERE TODAY TO PAY OUR"
390 PRINT " ESTIMATED DISTANCE:";P3
390 PRINT:PRINT:PRINT:INPUT "ANOTHER MISSION (Y OR N)";U$
400 PRINT:PRINT "INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z,
DISTANCE";
400 PRINT "CHICKEN !!!" : PRINT : END
420 A1=A1/R1: B1=B1/R1: PRINT "RADIANS FROM X AXIS =";A1;" ";
425 PRINT "FROM Z AXIS =";B1
480 X1=P2*SIN(B1)*COS(A1): Y1=P2*SIN(B1)*SIN(A1): Z1=P2*COS(B1)
550 PRINT "DISTANCE OF EXPLOSION FROM TARGET WAS";D;"KILOMETERS."
570 PRINT: PRINT "MISSION ACCOMPLISHED IN ";R;" SHOTS."
730 PRINT "SHOT BEHIND TARGET";-X2;"KILOMETERS."
770 PRINT "SHOT TO RIGHT OF TARGET";-Y2;"KILOMETERS."
810 PRINT "SHOT BELOW TARGET";-Z2;"KILOMETERS."
820 PRINT "APPROX POSITION OF EXPLOSION: X=";X1;" Y=";Y1;" Z=";Z1
999 END

```

### Target Football

CREATIVE COMPUTING      TARGET  
MORRISTOWN, NEW JERSEY

YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE  
AND THIS IS A TEST TO SEE HOW ACCURATE A SHOT YOU

THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z  
AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET.  
DESTROYED!

GOOD LUCK!!

BOTH TEAMS HAVING THE SAME PLAYS. THE MORE SIMILAR THE  
> > > >



```

0 PRINT "### Target Football"
10 PRINT TAB(33);"TARGET"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT: PRINT: PRINT
110 PRINT "YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE"
120 PRINT "AND THIS IS A TEST TO SEE HOW ACCURATE A SHOT YOU"
130 DIM M$(2),D(2),P$(20)
145 PRINT:PRINT
160 PRINT "THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z"
170 PRINT "AXES, AND THE APPROXIMATE DISTANCE TO THE TARGET."
190 PRINT "DESTROYED!": PRINT: PRINT "GOOD LUCK!!":PRINT: PRINT
210 PRINT "BOTH TEAMS HAVING THE SAME PLAYS. THE MORE SIMILAR THE"
220 A=RND(1)*2*P: B=RND(1)*2*P: Q=INT(A*R1): W=INT(B*R1)
260 PRINT "RADIANS FROM X AXIS =";A;" FROM Z AXIS =";B
290 Z=COS(B)*P1
340 PRINT "TARGET SIGHTED: APPROXIMATE COORDINATES: X=";X;" Y=";Y;"
Z=";Z
375 P3=P1
380 L=0: T=1
400 PRINT:PRINT "INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z,
DISTANCE":
420 A1=A1/R1: B1=B1/R1: PRINT "RADIANS FROM X AXIS =";A1;" ";
425 PRINT "FROM Z AXIS =";B1
440 REM
480 X1=P2*SIN(B1)*COS(A1): Y1=P2*SIN(B1)*SIN(A1): Z1=P2*COS(B1)
510 D=((X1-X)^2+(Y1-Y)^2+(Z1-Z)^2)^(1/2)
550 PRINT "DISTANCE OF EXPLOSION FROM TARGET WAS";D;"KILOMETERS."
570 PRINT: PRINT "MISSION ACCOMPLISHED IN ";R;" SHOTS."
650 PRINT "TEAR OFF HERE-----"
700 H(1)=0: H(2)=0: T(1)=2: T(2)=1
730 PRINT "SHOT BEHIND TARGET";-X2;"KILOMETERS."
770 PRINT "SHOT TO RIGHT OF TARGET";-Y2;"KILOMETERS."
920 REM
999 END
1000 Y=INT(ABS(A(P1)-B(P2))/19*((X(T)-Y(T)*P+25)*RND(1)-15))
1025 PRINT "PASS INCOMPLETE TEAM";T
1050 P=P-W(T)*Y
1060 PRINT: PRINT "NET YARDS GAINED ON DOWN";D;"ARE ";Y
1380 PRINT "EXTRA POINT GOOD"
1440 R=INT(((X(T)-Y(T)*P+25)*RND(1)-15)/K)
1480 PRINT:PRINT "RUNBACK TEAM";T;R;"YARDS"
1745 PRINT: PRINT "BALL NOW ON";P
1770 DATA 17,8,4,14,19,3,10,1,7,11,15,9,5,20,13,18,16,2,12,6
1790 DATA "PITCHOUT","TRIPLE REVERSE","DRAW","QB SNEAK","END AROUND"
1794 DATA "WISHBONE OPTION","FLARE PASS","SCREEN PASS"
1796 DATA "ROLL OUT OPTION","RIGHT CURL","LEFT CURL","WISHBONE OPTION"
1850 PRINT
1910 PRINT "TEAM 1 10 10 20 30 40 50 60 70 80 90";
1915 PRINT " 100 TEAM 2"
2000 END

```

### Target Trek

CREATIVE COMPUTING      TARGET  
                         MORRISTOWN, NEW JERSEY

AND THIS IS A TEST TO SEE HOW ACCURATE A SHOT YOU  
ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD  
OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,  
THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z  
DESTROYED!

GOOD LUCK!!

TARGET SIGHTED: APPROXIMATE COORDINATES: X=398.270623616397  
Y=1547.4051978454322    Z=-17799.70748967733  
ESTIMATED DISTANCE:> > > >

```

0 PRINT "### Target Trek"
10 PRINT TAB(33);"TARGET"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT: PRINT: PRINT
100 R=1: R1=57.296: P=3.14159
120 PRINT "AND THIS IS A TEST TO SEE HOW ACCURATE A SHOT YOU"
130 PRINT "ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD"
150 PRINT "OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,"
160 PRINT "THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z"
190 PRINT "DESTROYED!": PRINT: PRINT "GOOD LUCK!":PRINT: PRINT
220 A=RNDC(1)*2*P: B=RNDC(1)*2*P: Q=INT(A*R1): W=INT(B*R1)
280 P1=100000*RNDC(1)+RNDC(1): X=SIN(B)*COS(A)*P1: Y=SIN(B)*SIN(A)*P1
290 Z=COS(B)*P1
340 PRINT "TARGET SIGHTED: APPROXIMATE COORDINATES: X=";X;" Y=";Y;"
Z=";Z
390 PRINT " ESTIMATED DISTANCE:";P3
400 PRINT:PRINT "INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z,
DISTANCE";
405 INPUT A1,B1,P2
420 A1=A1/R1: B1=B1/R1: PRINT "RADIAN5 FROM X AXIS =" ;A1;" ";
425 PRINT "FROM Z AXIS =" ;B1
510 D=((X1-X)^2+(Y1-Y)^2+(Z1-Z)^2)^(1/2)
530 PRINT: PRINT " * * * HIT * * * TARGET IS NON-FUNCTIONAL": PRINT
570 PRINT: PRINT "MISSION ACCOMPLISHED IN ";R;" SHOTS."
730 PRINT "SHOT BEHIND TARGET";-X2;"KILOMETERS."
770 PRINT "SHOT TO RIGHT OF TARGET";-Y2;"KILOMETERS."
820 PRINT "APPROX POSITION OF EXPLOSION: X=";X1;" Y=";Y1;" Z=";Z1
1460 PRINT"YOUR MISSION BEGINS WITH YOUR STARSHIP LOCATED"
2020 PRINT:PRINT"** FATAL ERROR ** YOU'VE JUST STRANDED YOUR SHIP IN
"

2030 PRINT"SPACE":PRINT"YOU HAVE INSUFFICIENT MANEUVERING ENERGY,";
2930 D(R1)=D(R1)-(RNDC(1)*5+1):PRINT"DAMAGE CONTROL REPORT: ";
3500 X=8*Q1+X+N*X1:Y=8*Q2+Y+N*X2:Q1=INT(X/8):Q2=INT(Y/8):S1=INT(X-Q1*8)
5520 REM SHIELD CONTROL
6170 PRINT"DAMAGE CONTROL REPORTS ";G2$;" DAMAGED BY THE HIT"
7240 PRINT" KLINGONS REMAINING";INT(K9)
7940 PRINT"KLINGON";X$;" LEFT: ";K9
8820 REM STRING COMPARISON IN QUADRANT ARRAY
8830 Z1=INT(Z1+.5):Z2=INT(Z2+.5):S8=(Z2-1)*3+(Z1-1)*24+1:Z3=0
9200 G2$="SPICA"

```

### Target Wins

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
TARGET  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THE 2 PLAYERS ALTERNATE TURNS, WITH EACH PLAYER  
ENDS WHEN THERE ARE NO MARBLES LEFT, AND THE WINNER  
YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE

ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD  
OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,  
THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z

?  
RADIANS FROM X AXIS => > >

```

0 PRINT "### Target Wins"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
4 Y1=0
10 PRINT TAB(33);"TARGET"
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
70 PRINT
80 PRINT "      THE 2 PLAYERS ALTERNATE TURNS, WITH EACH PLAYER"
100 R=1: R1=57.296: P=3.14159
100 PRINT "ENDS WHEN THERE ARE NO MARBLES LEFT, AND THE WINNER"
110 PRINT "YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE"
120 PRINT "AND THIS IS A TEST TO SEE HOW ACCURATE A SHOT YOU"
120 PRINT
130 PRINT "ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD"
150 PRINT "OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,"
160 PRINT "THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z"
190 PRINT
220 A=AND(1)*2*P: B=AND(1)*2*P: Q=INT(A*R1): W=INT(B*R1)
220 INPUT C
225 PRINT
260 PRINT "RADIANS FROM X AXIS =";A;"    FROM Z AXIS =";B
280 P1=100000*AND(1)+AND(1): X=SIN(B)*COS(A)*P1: Y=SIN(B)*SIN(A)*P1
290 Z=COS(B)*P1
300 PRINT "I PICK UP";M;"MARBLES."
390 PRINT "      ESTIMATED DISTANCE:";P3
405 INPUT A1,B1,P2
420 A1=A1/R1: B1=B1/R1: PRINT "RADIANS FROM X AXIS =";A1;" ";
425 PRINT "FROM Z AXIS =";B1
470 PRINT
480 X1=P2*SIN(B1)*COS(A1): Y1=P2*SIN(B1)*SIN(A1): Z1=P2*COS(B1)
510 D=((X1-X)^2+(Y1-Y)^2+(Z1-Z)^2)^(1/2)
530 PRINT: PRINT " * * * HIT * * *   TARGET IS NON-FUNCTIONAL": PRINT
540 M=R+1
570 PRINT: PRINT "MISSION ACCOMPLISHED IN ";R;" SHOTS."
580 M=T
590 T=T-M
640 M=1
730 PRINT "SHOT BEHIND TARGET";-X2;"KILOMETERS."
750 T=T-M
770 PRINT "SHOT TO RIGHT OF TARGET";-Y2;"KILOMETERS."
770 REM      IS # ZERO HERE
790 REM      IS = ZERO HERE
800 PRINT "I PICK UP";M;"MARBLES."
810 PRINT "SHOT BELOW TARGET";-Z2;"KILOMETERS."
810 PRINT
820 PRINT "APPROX POSITION OF EXPLOSION:  X=";X1;"    Y=";Y1;"    Z=";Z1
850 PRINT
870 M1=M1+M
890 PRINT
990 M1=0
999 END
1070 PRINT
1090 PRINT
1110 PRINT
1120 PRINT
1210 PRINT

```

### Tic Batnum

TIC TAC TOE  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THE GAME BOARD IS NUMBERED:

1 2 3  
8 9 4  
7 6 5

THE GAME STARTS WITH AN ASSUMED PILE OF OBJECTS. YOU  
DON'T USE ZERO, HOWEVER, IN PLAYING THE GAME.

> > > >

```

0 PRINT "### Tic Batnum"
10 PRINT TAB(30);"TIC TAC TOE"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
30 PRINT:PRINT:PRINT
50 REM
100 REM THIS PROGRAM PLAYS TIC TAC TOE
110 REM THE MACHINE GOES FIRST
120 PRINT "THE GAME BOARD IS NUMBERED:": PRINT
130 PRINT "1 2 3": PRINT "8 9 4": PRINT "7 6 5"
140 PRINT "THE GAME STARTS WITH AN ASSUMED PILE OF OBJECTS. YOU"
150 REM
160 REM
180 PRINT "DON'T USE ZERO, HOWEVER, IN PLAYING THE GAME."
190 REM
200 PRINT
230 PRINT
260 P=M
280 M=B
300 Q=M
320 C=FNM(B+4)
330 M=C
330 INPUT "ENTER PILE SIZE":N
370 M=C
390 R=M
390 INPUT "ENTER WIN OPTION - 1 TO TAKE LAST, 2 TO AVOID LAST: ":M
410 D=FNM(C+4)
460 D=FNM(C+7)
470 M=D
490 INPUT "ENTER START OPTION - 1 COMPUTER FIRST, 2 YOU FIRST ":S
500 PRINT:PRINT
530 S=M
580 REM
620 Q=Q-1
690 W=1
700 PRINT "COMPUTER TAKES":N;"AND WINS."
720 REM
730 PRINT "AND WINS *****"
750 END
770 N=N-P
810 PRINT:PRINT "YOUR MOVE ";
850 W=1
1000 PRINT "CONGRATULATIONS, YOU WIN."
1060 W=0
1080 END

```

### Tic Bombs

WHAT SIDE -- ITALY<1>, ALLIES<2>, JAPAN<3>, GERMANY<4>  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

SHOULD BE EASY -- YOU'RE FLYING A NAZI-MADE PLANE.

1 2 3  
8 9 4  
7 6 5

YOU'RE BUSTING A GERMAN HEAVY WATER PLANT IN THE RUHR.  
YOUR FIRST KAMIKAZE MISSION<Y OR N>  
NEARING VERSAILLES. DUCK SOUP. THEY'RE NEARLY DEFENSELESS.

MISSIONS, NOT MILES...

DIRECT HIT!!!!

MISSED TARGET BY

DOES THE ENEMY HAVE GUNS<1>, MISSILES<2>, OR BOTH<3>>



```

0 PRINT "### Tic Bombs"
10 INPUT "WHAT SIDE -- ITALY(1), ALLIES(2), JAPAN(3), GERMANY(4)";A
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
50 REM
50 PRINT "SHOULD BE EASY -- YOU'RE FLYING A NAZI-MADE PLANE."
110 REM THE MACHINE GOES FIRST
130 PRINT "1 2 3": PRINT "8 9 4": PRINT "7 6 5"
140 PRINT
170 REM
190 PRINT "YOU'RE BUSTING A GERMAN HEAVY WATER PLANT IN THE RUHR."
200 REM MAIN PROGRAM
205 INPUT "YOUR FIRST KAMIKAZE MISSION(Y OR N)";F$
210 PRINT
230 A=9
240 M=A
260 P=M
270 PRINT "NEARING VERSAILLES. DUCK SOUP. THEY'RE NEARLY DEFENSELESS."
280 M=B
280 PRINT
292 PRINT "MISSIONS, NOT MILES..."
325 PRINT "DIRECT HIT!!!! "INT(100*AND(1))"KILLED."
330 M=C
330 PRINT "MISSED TARGET BY"INT(2+30*AND(1))"MILES!"
340 INPUT "DOES THE ENEMY HAVE GUNS(1), MISSILES(2), OR BOTH(3)";R
370 M=C
384 PRINT "YOU HAVE BEEN SHOT DOWN....."
386 PRINT "DEARLY BELOVED, WE ARE GATHERED HERE TODAY TO PAY OUR"
387 PRINT "LAST TRIBUTE..."
390 R=M
400 PRINT "CHICKEN !!!" : PRINT : END
420 M=D
500 D=FNH(C+3)
530 S=M
550 E=FNH(D+4)
560 M=E
580 REM
590 E=FNH(D+6)
640 REM
660 PRINT "YOUR MOVE";
700 PRINT "COMPUTER MOVES";M
720 REM

```

### Tic Checkers

TIC TAC TOE

(0,7) IS THE UPPER LEFT CORNER  
(7,0) IS THE LOWER RIGHT CORNER  
(7,7) IS THE UPPER RIGHT CORNER

THE GAME BOARD IS NUMBERED:

> > > >

```

0 PRINT "### Tic Checkers"
10 PRINT TAB(30);"TIC TAC TOE"
15 PRINT:PRINT:PRINT
40 PRINT "<0,7> IS THE UPPER LEFT CORNER"
45 PRINT "<7,0> IS THE LOWER RIGHT CORNER"
50 REM
50 PRINT "<7,7> IS THE UPPER RIGHT CORNER"
65 PRINT:PRINT:PRINT
80 DIM R(4),S(7,7):G=-1:R(0)=-99
120 PRINT "THE GAME BOARD IS NUMBERED:": PRINT
140 PRINT
150 REM
160 REM
170 REM
190 REM
200 REM  MAIN PROGRAM
220 PRINT
260 P=M
280 M=B
300 Q=M
320 C=FNM(B+4)
330 M=C
360 C=FNM(B+2)
390 R=M
470 M=D
500 D=FNM(C+3)
510 M=D
530 S=M
580 REM
590 E=FNM(D+6)
600 M=E
620 PRINT "THE GAME IS A DRAW."
640 REM
670 INPUT M
730 PRINT "AND WINS *****"
1250 S(R(3),R(4))=S(R(1),R(2))
1330 S((R(1)+R(3))/2,(R(2)+R(4))/2)=0
1570 Z=0: T=0
1700 I=46
1800 S((E+A)/2,(H+B)/2)=0
1885 PRINT: PRINT "I WIN.": END

```

\*\*\* Tic Rocket

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

-----

DO YOU WANT INSTRUCTIONS (YES OR NO)THE GAME BOARD IS NUMBERED:

CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-  
WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN.

HERE ARE THE RULES THAT GOVERN YOUR APOLLO SPACE-CRAFT:

(1) AFTER EACH SECOND THE HEIGHT, VELOCITY, AND REMAINING FUEL  
(2) AFTER THE REPORT A '?' WILL APPEAR. ENTER THE NUMBER

> > >

```

0 PRINT "### Tic Rocket"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
50 REM
80 PRINT "-----": PRINT
100 REM THIS PROGRAM PLAYS TIC TAC TOE
100 INPUT "DO YOU WANT INSTRUCTIONS (YES OR NO)";A$
120 PRINT "THE GAME BOARD IS NUMBERED:": PRINT
150 REM
160 PRINT
190 REM
210 PRINT"CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-"
220 PRINT
220 PRINT"WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN."
225 PRINT
230 PRINT"HERE ARE THE RULES THAT GOVERN YOUR APOLLO SPACE-CRAFT:":
PRINT
240 M=A
240 PRINT"(1) AFTER EACH SECOND THE HEIGHT, VELOCITY, AND REMAINING FUEL"
260 P=M
260 PRINT"(2) AFTER THE REPORT A '?' WILL APPEAR. ENTER THE NUMBER"
270 B=FNM(P+1)
280 M=B
280 PRINT" SECOND. EACH UNIT OF FUEL WILL SLOW YOUR DESCENT BY"
300 Q=M
310 PRINT"(3) THE MAXIMUM THRUST OF YOUR ENGINE IS 30 FEET/SEC/SEC"
320 C=FNM(B+4)
320 PRINT" OR 30 UNITS OF FUEL PER SECOND."
330 PRINT"(4) WHEN YOU CONTACT THE LUNAR SURFACE. YOUR DESCENT ENGINE"
340 PRINT" WILL AUTOMATICALLY SHUT DOWN AND YOU WILL BE GIVEN A"
360 C=FNM(B+2)
380 PRINT" YOU CONTACT THE LUNAR SURFACE.:PRINT
400 PRINT"G O O D L U C K ! ! !"
410 D=FNM(C+4)
420 M=D
420 PRINT:PRINT
470 M=D
500 D=FNM(C+3)
510 M=D
550 E=FNM(D+4)
560 M=E
560 F=F-B
580 REM
620 PRINT "THE GAME IS A DRAW."
640 REM
640 PRINT T;TAB(4);H;TAB(12);V;TAB(20);F;TAB(29);"I";TAB(H/12+29);"*"
650 B=0
660 PRINT "YOUR MOVE";
670 INPUT M
700 PRINT "COMPUTER MOVES";M
700 D=(-V+SQR(V*V+H*(10-2*B)))/(5-B)
720 REM
730 V1=V+(5-B)*D
770 PRINT"LANDING VELOCITY=";V1;"FEET/SEC."
800 PRINT"CONGRATULATIONS! A PERFECT LANDING!!"
820 PRINT"***** SORRY, BUT YOU BLEW IT!!!"
850 INPUT "ANOTHER MISSION";A$
870 PRINT: PRINT "CONTROL OUT.": PRINT

```

### Toe Basketball

BASKETBALL

THIS IS DARTMOUTH COLLEGE BASKETBALL. YOU WILL BE DARTMOUTH  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

1	2	3
8	9	4
7	6	5

> > > >

```

0 PRINT "### Toe Basketball"
5 PRINT TAB(31);"BASKETBALL"
10 PRINT "THIS IS DARTMOUTH COLLEGE BASKETBALL. YOU WILL BE DARTMOUTH"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
50 REM
79 PRINT
100 REM THIS PROGRAM PLAYS TIC TAC TOE
130 PRINT "1 2 3": PRINT "8 9 4": PRINT "7 6 5"
140 PRINT
150 REM
160 REM
170 REM
200 REM MAIN PROGRAM
220 PRINT
230 A=9
270 B=FNH(KP+1)
280 M=B
360 C=FNH(KB+2)
410 D=FNH(KC+4)
425 PRINT
430 INPUT "YOUR SHOT";Z
460 D=FNH(KC+7)
490 PRINT
492 PRINT:PRINT " ***** END OF SECOND HALF *****":PRINT
496 PRINT "BEGIN TWO MINUTE OVERTIME PERIOD"
500 D=FNH(KC+3)
515 PRINT "FINAL SCORE: DARTMOUTH:";S(1);" ":O$;": ";S(0)
530 S=M
560 M=E
620 PRINT "THE GAME IS A DRAW."
660 PRINT "YOUR MOVE";
720 REM
730 PRINT "AND WINS *****"
1160 PRINT "BALL PASSED BACK TO YOU. ";
1185 PRINT "PLAYER FOULED, TWO SHOTS."
1300 T=T+1
1440 PRINT "BALL PASSED BACK TO YOU.";
3105 PRINT "SHOT IS OFF RIM."
3120 PRINT "DARTMOUTH CONTROLS THE REBOUND."

```

### Toe Stars  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
THE BOARD IS NUMBERED:  
STARS

THE COMPUTER MOVES TO...  
WILL TYPE ONE OR MORE STARS (\*). THE MORE  
STARS I TYPE, THE CLOSER YOU ARE TO MY NUMBER.  
ONE STAR (\*) MEANS FAR AWAY, SEVEN STARS (\*\*\*\*\*)

OK, I AM THINKING OF A NUMBER, START GUESSING.

YOUR GUESS\*\*\*\*\*  
SORRY, THAT'S 7 GUESSES. THE NUMBER WAS 72

> > > >



```

0 PRINT "### Toe Stars"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
8 PRINT "THE BOARD IS NUMBERED:"
10 PRINT " 1  2  3"
10 PRINT TAB(34);"STARS"
30 PRINT:PRINT:PRINT
60 P$="O":Q$="X"
100 REM *** STARS - PEOPLE'S COMPUTER CENTER, MENLO PARK, CA
140 REM *** A IS LIMIT ON NUMBER, M IS NUMBER OF GUESSES
150 A=100:M=7
195 PRINT:PRINT"THE COMPUTER MOVES TO..."
200 REM *** INSTRUCTIONS ON HOW TO PLAY
230 PRINT "WILL TYPE ONE OR MORE STARS (*). THE MORE"
240 PRINT "STARS I TYPE, THE CLOSER YOU ARE TO MY NUMBER."
250 PRINT "ONE STAR (*) MEANS FAR AWAY, SEVEN STARS (*****)"
270 REM *** COMPUTER THINKS OF A NUMBER
280 PRINT
290 PRINT
300 X=INT(A*RND(1)+1)
310 PRINT "OK, I AM THINKING OF A NUMBER, START GUESSING."
320 REM *** GUESSING BEGINS, HUMAN GETS M GUESSES
340 PRINT
350 PRINT "YOUR GUESS";
450 PRINT "*";
460 PRINT "*";
470 PRINT "*";
480 PRINT "*";
490 PRINT "*";
500 PRINT:INPUT"WHERE DO YOU MOVE";M
500 PRINT "*";
540 REM *** DID NOT GUESS IN M GUESSES
550 PRINT
560 PRINT "SORRY, THAT'S";M;"GUESSES. THE NUMBER WAS";X
590 REM *** WE HAVE A WINNER
630 PRINT:PRINT
660 END
1018 PRINT P$ " ";
1030 PRINT:PRINT"---+---+---"

```

\*\*\* Tower Bullfight

## TOWERS

TOWERS OF HANOI PUZZLE.

HERE IS YOUR BIG CHANCE TO KILL A BULL.  
ON ANY TURN: 4 (OVER THE HORNS), 5 (IN THE CHEST).

THE CROWD WILL DETERMINE WHAT AWARD YOU DESERVE  
IN THIS PROGRAM, WE SHALL REFER TO DISKS BY NUMERICAL CODE.  
THE BETTER THE JOB THE PICADORES AND TOREADORES DO,

GOOD LUCK!

ILLEGAL ENTRY... YOU MAY ONLY TYPE 3,5,7,9,11,13, OR 15.

THAT DISK IS BELOW ANOTHER ONE. MAKE ANOTHER CHOICE.  
> > > >

```

0 PRINT "### Tower Bullfight"
10 PRINT TAB(33);"TOWERS"
90 PRINT
100 REM*** INITIALIZE
110 DIM T(7,3)
180 PRINT "TOWERS OF HANOI PUZZLE.": PRINT
220 PRINT "HERE IS YOUR BIG CHANCE TO KILL A BULL."
230 M=0
300 PRINT "ON ANY TURN: 4 (OVER THE HORNS), 5 (IN THE CHEST).":
330 PRINT
340 REM *** STORE DISKS FROM SMALLEST TO LARGEST
340 PRINT "THE CROWD WILL DETERMINE WHAT AWARD YOU DESERVE"
350 PRINT "IN THIS PROGRAM, WE SHALL REFER TO DISKS BY NUMERICAL CODE."
380 PRINT "THE BETTER THE JOB THE PICADORES AND TOREADORES DO,"
390 PRINT: PRINT "GOOD LUCK!": PRINT
400 Y=7: D=15
400 PRINT
450 DIM L$(5)
520 PRINT "ILLEGAL ENTRY... YOU MAY ONLY TYPE 3,5,7,9,11,13, OR 15."
560 PRINT
660 PRINT
680 PRINT "THAT DISK IS BELOW ANOTHER ONE. MAKE ANOTHER CHOICE."
690 D(3)=D(3)+1
700 PRINT "PASS NUMBER";D(3)
705 INPUT "PLACE DISK ON WHICH NEEDLE";N
780 PRINT "I TRIED TO WARN YOU, BUT YOU WOULDN'T LISTEN."
925 REM *** LOCATE EMPTY SPACE ON NEEDLE N
930 L=L+M
965 REM *** MOVE DISK AND SET OLD LOCATION TO 0
995 REM *** PRINT OUT CURRENT STATUS
1040 PRINT "COWARD"
1155 PRINT "HOW DO YOU TRY TO KILL THE BULL";
1260 PRINT "YOU KILLED THE BULL!"
1330 PRINT TAB(2);"*";
1340 Z=Z+21
1410 PRINT "THE CROWD CHEERS WILDLY!"
1440 PRINT "THE CROWD CHEERS!":PRINT
1500 PRINT "OLE! YOU ARE 'MUY HOMBRE'!! OLE! OLE!"
1520 PRINT "BOTH EARS OF THE BULL!"
1570 PRINT "NOTHING AT ALL."
1590 PRINT "ADIOS":PRINT:PRINT:PRINT
1740 C=.5
1890 PRINT FNAC(K);"OF THE ";A$;B$;" KILLED."

```

### Tower Literature

LITERATURE QUIZ  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE.

THIS IS A MULTIPLE-CHOICE QUIZ.

1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO  
VERY GOOD! HERE'S ANOTHER.

FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?  
PRETTY GOOD!

IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED  
1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO

WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE  
1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY  
OH, COME ON NOW...IT WAS SNOW WHITE.  
GOOD MEMORY!

NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME  
READING THE NURSERY GREATS.

> > > >

```

0 PRINT "### Tower Literature"
1 PRINT TAB(25);"LITERATURE QUIZ"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
5 R=0
10 PRINT "TEST YOUR KNOWLEDGE OF CHILDREN'S LITERATURE."
12 PRINT: PRINT "THIS IS A MULTIPLE-CHOICE QUIZ."
30 PRINT:PRINT:PRINT
42 PRINT "1>TIGGER, 2>CICERO, 3>FIGARO, 4>GUIPETTO";
46 PRINT "VERY GOOD!  HERE'S ANOTHER."
47 R=R+1
50 PRINT: PRINT
51 PRINT "FROM WHOSE GARDEN DID BUGS BUNNY STEAL THE CARROTS?"
56 PRINT "PRETTY GOOD!"
57 R=R+1
60 PRINT: PRINT
61 PRINT "IN THE WIZARD OF OS, DOROTHY'S DOG WAS NAMED"
62 PRINT "1>CICERO, 2>TRIXIA, 3>KING, 4>TOTO";
67 R=R+1
70 PRINT:PRINT
71 PRINT "WHO WAS THE FAIR MAIDEN WHO ATE THE POISON APPLE"
72 PRINT "1>SLEEPING BEAUTY, 2>CINDERELLA, 3>SNOW WHITE, 4>WENDY";
74 PRINT "OH, COME ON NOW...IT WAS SNOW WHITE."
76 PRINT "GOOD MEMORY!"
77 R=R+1
80 PRINT:PRINT
92 PRINT "NOT BAD, BUT YOU MIGHT SPEND A LITTLE MORE TIME"
94 PRINT "READING THE NURSERY GREATS."
96 STOP
100 PRINT "WOW!  THAT'S SUPER!  YOU REALLY KNOW YOUR NURSERY"
110 DIM T(7,3)
130 STOP
180 PRINT "TOWERS OF HANOI PUZZLE.": PRINT
210 PRINT "SMALLER DISK.": PRINT
215 INPUT "HOW MANY DISKS DO YOU WANT TO MOVE (7 IS MAX)";S
270 E=E+1
350 PRINT "IN THIS PROGRAM, WE SHALL REFER TO DISKS BY NUMERICAL CODE."
380 PRINT "START WITH THE DISKS ON NEEDLE 1, AND ATTEMPT TO MOVE THEM"
390 PRINT: PRINT "GOOD LUCK!": PRINT
500 INPUT D
705 INPUT "PLACE DISK ON WHICH NEEDLE";N
850 PRINT "YOU CAN'T PLACE A LARGER DISK ON TOP OF A SMALLER ONE,"
875 REM *** MOVE RELOCATED DISK
925 REM *** LOCATE EMPTY SPACE ON NEEDLE N
1110 PRINT "128 MOVES.": STOP

```

### Tower Pizza

PIZZA

PIZZA DELIVERY GAME

WHAT IS YOUR FIRST NAME

WHERE TO DELIVER THE ORDERED PIZZAS.

HOW MANY DISKS DO YOU WANT TO MOVE (7 IS MAX)MAP OF THE CITY OF  
HYATTSVILLE

-----1-----2-----3-----4-----

-

-

-

-

JUST TAKE MY PUZZLE AND GO HOME. SO LONG.

> >

```

0 PRINT "### Tower Pizza"
5 PRINT TAB(33);"PIZZA"
20 DIM S$(16),M$(4)
30 PRINT "PIZZA DELIVERY GAME": PRINT
50 INPUT "WHAT IS YOUR FIRST NAME";N$: PRINT
90 PRINT
100 REM*** INITIALIZE
100 PRINT "WHERE TO DELIVER THE ORDERED PIZZAS.": PRINT: PRINT
110 DIM T(7,3)
200 PRINT "YOU MUST TRANSFER THE DISKS FROM THE LEFT TO THE RIGHT"
200 DATA "A","B","C","D","E","F","G","H","I","J","K","L","M","N","O"
210 DATA "P","1","2","3","4"
215 INPUT "HOW MANY DISKS DO YOU WANT TO MOVE (7 IS MAX)";S
230 PRINT "MAP OF THE CITY OF HYATTSVILLE": PRINT
250 PRINT " -----1-----2-----3-----4-----"
260 K=4
280 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
320 PRINT "JUST TAKE MY PUZZLE AND GO HOME. SO LONG.": STOP
350 PRINT "IN THIS PROGRAM, WE SHALL REFER TO DISKS BY NUMERICAL CODE."
350 PRINT S$(S1+3);" "M$(K)
370 PRINT "THE CODE NAMES WOULD BE 11, 13 AND 15, ETC. THE NEEDLES"
390 PRINT: PRINT "GOOD LUCK!": PRINT
400 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
430 T(Y,1)=D: D=D-2: Y=Y-1
440 PRINT " -----1-----2-----3-----4-----": PRINT
460 PRINT "THE OUTPUT IS A MAP OF THE HOMES WHERE"
510 PRINT "HOME ORDERING THE PIZZA.": PRINT
640 PRINT "DRIVER TO ";N$;". WHERE DOES J LIVE?"
660 INPUT "UNDERSTAND";A$
680 PRINT "THAT DISK IS BELOW ANOTHER ONE. MAKE ANOTHER CHOICE."
700 PRINT "GOOD LUCK!": PRINT
760 S=INT(RND(1)*16+1): PRINT
770 PRINT "HELLO ";N$;"S PIZZA. THIS IS ";S$(S);".":
775 PRINT " PLEASE SEND A PIZZA."
780 PRINT " DRIVER TO ";N$;": WHERE DOES ";S$(S);" LIVE";
790 INPUT A(1),A(2)
875 REM *** MOVE RELOCATED DISK
980 T(U,N)=T(V,W): T(V,W)=0
999 END
1230 REM *** PRINT SUBROUTINE
1250 Z=10
1300 PRINT "*";

```

### Tower Splat  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

WELCOME TO 'SPLAT' -- THE GAME THAT SIMULATES A PARACHUTE  
MOMENT WITHOUT GOING SPLAT.  
SELECT YOUR OWN TERMINAL VELOCITY (YES OR NO)? WHAT ACCELERATION (FT/  
SEC/SEC)? TOWERS OF HANOI PUZZLE.

HERE WE GO.

=====

2 DISKS, THEIR CODE NAMES WOULD BE 13 AND 15. WITH 3 DISKS  
THE CODE NAMES WOULD BE 11, 13 AND 15, ETC. THE NEEDLES  
ARE NUMBERED FROM LEFT TO RIGHT, 1 TO 3. WE WILL

GOOD LUCK!

ILLEGAL ENTRY... YOU MAY ONLY TYPE 3,5,7,9,11,13, OR 15.

> >



```

0 PRINT "### Tower Splat"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
95 PRINT "WELCOME TO 'SPLAT' -- THE GAME THAT SIMULATES A PARACHUTE"
97 PRINT "MOMENT WITHOUT GOING SPLAT."
119 PRINT "SELECT YOUR OWN TERMINAL VELOCITY (YES OR NO)";INPUT A$
120 E=0
128 V1=INT(1000*RND(1))
143 PRINT "WHAT ACCELERATION (FT/SEC/SEC)";INPUT A2
180 PRINT "TOWERS OF HANOI PUZZLE.": PRINT
215 INPUT "HOW MANY DISKS DO YOU WANT TO MOVE (7 IS MAX)";S
215 PRINT "HERE WE GO."
219 PRINT "-----","-----"
270 E=E+1
340 REM *** STORE DISKS FROM SMALLEST TO LARGEST
365 PRINT "2 DISKS, THEIR CODE NAMES WOULD BE 13 AND 15. WITH 3 DISKS"
370 PRINT "THE CODE NAMES WOULD BE 11, 13 AND 15, ETC. THE NEEDLES"
375 PRINT "ARE NUMBERED FROM LEFT TO RIGHT, 1 TO 3. WE WILL"
390 PRINT: PRINT "GOOD LUCK!": PRINT
520 PRINT "ILLEGAL ENTRY... YOU MAY ONLY TYPE 3,5,7,9,11,13, OR 15."
560 K=K+1
580 K1=K1+1
702 PRINT "YOU DID."
730 PRINT "CONSERVATIVE, AREN'T YOU? YOU RANKED ONLY"K-K1"IN THE"
750 PRINT "HEY! YOU PULLED THE RIP CORD MUCH TOO SOON. "K"SUCCESSFUL"
790 PRINT "BYE BYE, BIG SHOT.":STOP
875 REM *** MOVE RELOCATED DISK
925 REM *** LOCATE EMPTY SPACE ON NEEDLE N
965 REM *** MOVE DISK AND SET OLD LOCATION TO 0
980 T(U,N)=T(V,W): T(V,W)=0
1020 M=M+1
1150 PRINT: PRINT "TRY AGAIN (YES OR NO)"; INPUT A$
1330 PRINT TAB(2);"*";
2046 END

```

### Trap Guess

GUESS  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

THIS IS A NUMBER GUESSING GAME. I'LL THINK  
OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT.

WHAT LIMIT DO YOU WANT?

I'M THINKING OF A NUMBER BETWEEN 1 AND 2

NOW YOU TRY TO GUESS WHAT IT IS.

? TOO LOW. TRY A BIGGER ANSWER.

TOO HIGH. TRY A SMALLER ANSWER.

THAT'S IT! YOU GOT IT IN 2 TRIES.

YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY 2

VERY GOOD.

I AM THINKING OF A NUMBER BETWEEN 1 AND 3

TRY TO GUESS MY NUMBER. ON EACH GUESS,

> >

```

0 PRINT "### Trap Guess"
1 PRINT TAB(34);"TRAP"
1 PRINT TAB(33);"GUESS"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
3 PRINT:PRINT:PRINT
4 PRINT "THIS IS A NUMBER GUESSING GAME. I'LL THINK"
5 PRINT "OF A NUMBER BETWEEN 1 AND ANY LIMIT YOU WANT."
7 PRINT
8 PRINT "WHAT LIMIT DO YOU WANT";
9 INPUT L
10 G=6
10 PRINT
11 L1=INT(LOG(L)/LOG(2))+1
12 PRINT "I'M THINKING OF A NUMBER BETWEEN 1 AND";L
13 G=1
14 PRINT "NOW YOU TRY TO GUESS WHAT IT IS."
15 M=INT(L*RND(1)+1)
20 N=100
20 INPUT N
30 REM-TRAP
30 G=G+1
32 PRINT "TOO LOW. TRY A BIGGER ANSWER."
40 PRINT "TOO HIGH. TRY A SMALLER ANSWER."
50 PRINT "INSTRUCTIONS";
50 PRINT "THAT'S IT! YOU GOT IT IN";G;"TRIES."
56 PRINT "YOU SHOULD HAVE BEEN ABLE TO GET IT IN ONLY";L1
58 PRINT "VERY ";
60 INPUT Z$
60 PRINT "GOOD."
71 PRINT
80 PRINT "I AM THINKING OF A NUMBER BETWEEN 1 AND";N
90 PRINT "TRY TO GUESS MY NUMBER. ON EACH GUESS,"
99 END
100 PRINT "YOU ARE TO ENTER 2 NUMBERS, TRYING TO TRAP"
110 PRINT "MY NUMBER BETWEEN THE TWO NUMBERS. I WILL"
140 PRINT "MY NUMBER IS SMALLER THAN YOUR TWO NUMBERS."
170 PRINT "YOU GET";G;"GUESSES TO GET MY NUMBER."
200 PRINT
210 PRINT "GUESS #";G;
220 INPUT A,B
300 PRINT "MY NUMBER IS SMALLER THAN YOUR TRAP NUMBERS."
320 PRINT "YOU HAVE TRAPPED MY NUMBER."
340 PRINT "SORRY, THAT'S";G;"GUESSES. THE NUMBER WAS";X
345 PRINT
360 R=A
370 A=B
380 B=R
400 PRINT "YOU GOT IT!!!"
410 PRINT
450 END

```

### Trap Horserace

TRAP  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

INSTRUCTIONS? I AM THINKING OF A NUMBER BETWEEN 1 AND100  
TRY TO GUESS MY NUMBER. ON EACH GUESS,  
YOU ARE TO ENTER 2 NUMBERS, TRYING TO TRAP  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

MY NUMBER IS SMALLER THAN YOUR TWO NUMBERS.  
YOU GET6GUESSES TO GET MY NUMBER.  
GUESS #> > >

```

0 PRINT "### Trap Horserace"
1 PRINT TAB(34);"TRAP"
2 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
3 PRINT:PRINT:PRINT
10 G=6
20 N=100
30 REM-TRAP
40 REM-STEVE ULLMAN, 8-1-72
50 PRINT "INSTRUCTIONS";
60 INPUT Z$
80 PRINT "I AM THINKING OF A NUMBER BETWEEN 1 AND";N
90 PRINT "TRY TO GUESS MY NUMBER. ON EACH GUESS,"
100 PRINT "YOU ARE TO ENTER 2 NUMBERS, TRYING TO TRAP"
110 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
120 PRINT:PRINT:PRINT
140 PRINT "MY NUMBER IS SMALLER THAN YOUR TWO NUMBERS."
170 PRINT "YOU GET";G;"GUESSES TO GET MY NUMBER."
180 X=INT(N*RND(1))+1
210 PRINT "GUESS #";Q;
220 INPUT A,B
220 PRINT "WELCOME TO SOUTH PORTLAND HIGH RACETRACK"
280 PRINT "MY NUMBER IS LARGER THAN YOUR TRAP NUMBERS."
280 PRINT "MAY BET ANY + AMOUNT UNDER 100000 ON ONE HORSE."
290 PRINT "DURING THE RACE, A HORSE WILL BE SHOWN BY ITS"
300 PRINT "MY NUMBER IS SMALLER THAN YOUR TRAP NUMBERS."
310 PRINT
320 PRINT "YOU HAVE TRAPPED MY NUMBER."
340 PRINT "SORRY, THAT'S";G;"GUESSES. THE NUMBER WAS";X
345 PRINT
370 A=B
380 B=A
410 PRINT
420 PRINT "TRY AGAIN."
440 LET D(A)=INT(10*RND(1)+1)
470 LET R=R+D(A)
500 LET V$(2)="L.B.J."
550 LET V$(7)="JELLY DO NOT"
560 LET V$(8)="MIDNIGHT"
600 PRINT"-----"
630 PRINT W$(J);
720 PRINT"XXXXXSTARTXXXX"
750 LET M(I)=M
880 LET Y(M(I))=2
900 LET Y(M(I))=3
940 LET Y(M(I))=5
1020 LET I=1
1110 LET T=S(M(8))
1160 PRINT
1190 PRINT M(I);
1272 LET Z9=1
1350 LET N=Q(J)
1360 PRINT W$(J);" WINS $";(R/D(N))*P(J)

```

### Trek Pizza

\*\*\*\*\*

WHAT IS YOUR FIRST NAME  
WHERE TO DELIVER THE ORDERED PIZZAS.

COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX).  
WILL BE ABORTED

-----1-----2-----3-----4-----  
AND EACH QUADRANT IS FURTHER DIVIDED INTO AN 8 X 8 SECTOR GRID.  
YOU WILL BE ASSIGNED A STARTING POINT SOMEWHERE IN THE  
> > >

```

0 PRINT "### Trek Pizza"
15 PRINT: PRINT
21 PRINT TAB(10);"*****"
44 PRINT
50 INPUT "WHAT IS YOUR FIRST NAME";N$: PRINT
100 PRINT "WHERE TO DELIVER THE ORDERED PIZZAS.": PRINT: PRINT
120 PRINT"      COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX).\"
180 PRINT"      WILL BE ABORTED"
210 DATA "P","1","2","3","4"
250 PRINT " -----1-----2-----3-----4-----"
260 K=4
280 PRINT"AND EACH QUADRANT IS FURTHER DIVIDED INTO AN 8 X 8 SECTOR
GRID."
300 PRINT"      YOU WILL BE ASSIGNED A STARTING POINT SOMEWHERE IN THE"
330 PRINT"KLINGON WARWHIPS WHICH ARE MENACING THE UNITED FEDERATION OF"
330 S1=16-4*I+1
340 PRINT "      ";S$(S1);"      ";S$(S1+1);"      ";S$(S1+2);"      ";
350 PRINT S$(S1+3);"      ";M$(K)
370 PRINT"      YOU HAVE THE FOLLOWING COMMANDS AVAILABLE TO YOU AS
CAPTAIN"
380 K=K-1
385 PRINT
390 PRINT"\\NAV\\ COMMAND = WARP ENGINE CONTROL --"
400 PRINT"      COURSE IS IN A CIRCULAR NUMERICAL      4 3 2"
400 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
440 PRINT " -----1-----2-----3-----4-----": PRINT
450 PRINT"
460 PRINT"      VALUES MAY APPROACH 9.0, WHICH      6 7 8"
460 PRINT "THE OUTPUT IS A MAP OF THE HOMES WHERE"
470 PRINT "YOU ARE TO SEND PIZZAS.": PRINT
480 PRINT"
490 PRINT"      ONE WARP FACTOR IS THE SIZE OF "
500 PRINT "THE LOCATION OR COORDINATES OF THE"
510 PRINT"      FROM QUADRANT 6,5 TO 5,5, YOU WOULD"
555 PRINT
610 PRINT"      A CONDENSED 'STATUS REPORT' WILL ALSO BE PRESENTED."
640 PRINT"\\LRS\\ COMMAND = LONG RANGE SENSOR SCAN"
640 PRINT "DRIVER TO ";N$;". WHERE DOES J LIVE?"
650 PRINT "YOUR ANSWER WOULD BE 2,3": PRINT
680 PRINT"      IS THE NUMBER OF STARS, THE TENS DIGIT IS THE NUMBER
OF"
700 PRINT "GOOD LUCK!!": PRINT
705 PRINT
740 PRINT"      ZAPPING THEM WITH SUITABLY LARGE UNITS OF ENERGY TO"
760 S=INT(RND(1)*16+1): PRINT
770 PRINT "HELLO ";N$;"S PIZZA. THIS IS ";S$(S);".":
775 PRINT " PLEASE SEND A PIZZA."
780 PRINT " DRIVER TO ";N$;": WHERE DOES ";S$(S);" LIVE";
790 INPUT A(1),A(2)
825 PRINT"      THE PHASER FIRE OF ALL OTHER KLINGONS IN THE QUADRANT."
860 PRINT"\\SHE\\ COMMAND = SHIELD CONTROL"
870 T=A(1)+(A(2)-1)*4
880 PRINT"      SHIELDS. ENERGY IS TAKEN FROM TOTAL SHIP'S ENERGY.
NOTE"
890 PRINT"      THAN THE STATUS DISPLAY TOTAL ENERGY INCLUDES SHIELD
ENERGY"
900 PRINT "I LIVE AT ";A(1);",";A(2)
980 PRINT"      OPTION 0 = CUMULATIVE GALACTIC RECORD"
999 END
1010 PRINT"      OPTION 1 = STATUS REPORT"
1020 PRINT"      THIS OPTION SHOWS THE NUMBER OF KLINGONS,
STARDATES,"
1060 PRINT"      TO ALL KLINGONS IN YOUR QUADRANT"
1100 PRINT"      OPTION 4 = DIRECTION/DISTANCE CALCULATOR"
1120 PRINT"      DIRECTION/DISTANCE CALCULATIONS"

```

### Two Check

SOLITAIRE CHECKER PUZZLE BY DAVID AHL

48 CHECKERS ARE PLACED ON THE 2 OUTSIDE SPACES OF A  
REMOVE AS MANY CHECKERS AS POSSIBLE BY DIAGONAL JUMPS  
INDICATE THE SQUARE YOU WISH TO JUMP FROM AND TO. ON  
CHECKER AND '0' AN EMPTY SQUARE. WHEN YOU HAVE NO  
QUESTION 'JUMP FROM ?'

> > > >



```

0 PRINT "### Two Check"
6 PRINT: PRINT: PRINT
7 DIM N(6,6),K(18),A(16),X(2),Y(2)
8 DIM A(64)
10 PRINT "SOLITAIRE CHECKER PUZZLE BY DAVID AHL"
15 PRINT
20 PRINT "48 CHECKERS ARE PLACED ON THE 2 OUTSIDE SPACES OF A"
30 PRINT "REMOVE AS MANY CHECKERS AS POSSIBLE BY DIAGONAL JUMPS"
40 PRINT "INDICATE THE SQUARE YOU WISH TO JUMP FROM AND TO. ON"
50 PRINT "CHECKER AND '0' AN EMPTY SQUARE. WHEN YOU HAVE NO"
60 PRINT "QUESTION 'JUMP FROM ?'"
62 PRINT
66 PRINT
77 PRINT
79 PRINT
90 K=0: M2=0: M3=0
96 M=0
112 PRINT
140 T1=INT((T-1)/8)
150 T2=T-8*T1
230 N(J+A(01),K+A(01+1))=N(J+A(01),K+A(01+1))+B
260 A(F)=0
270 A((T+F)/2)=0
290 M=M+1
310 REM *** PRINT BOARD
351 N(J,K)=100: M2=M2+1: PRINT " * ";
360 PRINT A(I);
380 PRINT
505 M2=0: M3=0
515 N(J,K)=0
550 PRINT "REMAINING ON THE BOARD."
586 N(X(1),Y(1))=100: N(X(2),Y(2))=1000
610 PRINT "O.K. HOPE YOU HAD FUN!!"
700 PRINT "X,Y":PRINT"XXXXXXXX";CHR$(13);"$$$$$$";CHR$(13);"&&&&&&";
701 PRINT CHR$(13);: INPUT Y(B),X(B)
999 END
999 END

```

\*\*\* War Bounce

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF  
ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION  
COEFFICIENCY (LESS THAN 1).

'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY).

TIME INCREMENT (SEC)  
VELOCITY (FPS)  
COEFFICIENT  
FEET

(NUMERICALLY) WINS. THE GAME ENDS WHEN YOU CHOOSE NOT TO

>

```

0 PRINT "### War Bounce"
20 PRINT TAB(15);"CREATIVE COMPUTING  MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT:PRINT
110 PRINT "OF A BALL THROWN STRAIGHT UP, AND THE COEFFICIENT OF"
120 PRINT "DO YOU WANT DIRECTIONS";
120 PRINT "ELASTICITY OF THE BALL. PLEASE USE A DECIMAL FRACTION"
130 INPUT B$
130 PRINT "COEFFICIENCY (LESS THAN 1).";
131 PRINT
133 PRINT "'STROBING' THE BALL'S FLIGHT (TRY .1 INITIALLY).";
134 PRINT
135 INPUT "TIME INCREMENT (SEC)";S2
140 PRINT
150 INPUT "VELOCITY (FPS)";V
160 PRINT "YES OR NO, PLEASE.  ";
160 PRINT
170 INPUT "COEFFICIENT";C
180 PRINT
182 PRINT "FEET"
184 PRINT
186 S1=INT(70/(V/(16*S2)))
190 PRINT "(NUMERICALLY) WINS. THE GAME ENDS WHEN YOU CHOOSE NOT TO"
210 PRINT
220 PRINT
222 PRINT H;
260 PRINT TAB(L/S2);"0";
270 REM
275 T=T(I+1)/2
290 LET L(J)=INT(52*RND(1))+1
330 PRINT " ";
350 PRINT
355 PRINT " 0";
360 P=P+1
370 M1=L(P)
380 PRINT TAB(INT(I/S2));I;
400 PRINT
400 PRINT
410 PRINT TAB(INT(L+1)/(2*S2)-2);"SECONDS"
420 PRINT "YOU: ";A$(M1),"COMPUTER: ";A$(M2)
420 PRINT
430 N1=INT((M1-.5)/4)
460 A1=A1+1
530 PRINT "TIE. NO SCORE CHANGE."
550 PRINT "DO YOU WANT TO CONTINUE";
560 INPUT U$
610 PRINT
630 PRINT "WE HAVE RUN OUT OF CARDS. FINAL SCORE: YOU: ";B1;
660 DATA "5-2","H-2","C-2","D-2","5-3","H-3","C-3","D-3"
680 DATA "5-6","H-6","C-6","D-6","5-7","H-7","C-7","D-7"
690 DATA "5-8","H-8","C-8","D-8","5-9","H-9","C-9","D-9"
720 DATA "5-A","H-A","C-A","D-A"
999 END

```

### War Orbit

ORBIT  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY  
WAR

DISTANCE FROM THE CENTER OF YOUR PLANET IS FROM  
10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN  
CIRCLE YOUR PLANET ONCE EVERY 12 TO 36 HOURS.  
YOU ARE UNABLE TO SEE THEM, BUT WITH A SPECIAL  
HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE  
YOUR PLANET'S GRAVITY.

YOUR PLANET HAS ENOUGH POWER TO FIRE ONE BOMB AN HOUR.  
ANGLE (BETWEEN 0 AND 360) AND A DISTANCE IN UNITS OF  
DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN.  
WILL DESTROY IT.

DO YOU WANT DIRECTIONS?

90



ON THE ABOVE DIAGRAM, THE ROMULAN SHIP IS CIRCLING  
CONTINUE OR WHEN YOU HAVE FINISHED THE PACK.  
AND ORBITAL RATE WILL REMAIN CONSTANT.

YOUR PHOTON BOMB?

> >

```

0 PRINT "### War Orbit"
2 PRINT TAB(33);"ORBIT"
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
10 PRINT TAB(33);"WAR"
25 PRINT "DISTANCE FROM THE CENTER OF YOUR PLANET IS FROM"
30 PRINT: PRINT: PRINT
30 PRINT "10,000 TO 30,000 MILES AND AT ITS PRESENT VELOCITY CAN"
31 PRINT "CIRCLE YOUR PLANET ONCE EVERY 12 TO 36 HOURS."
45 PRINT "YOU ARE UNABLE TO SEE THEM, BUT WITH A SPECIAL"
60 PRINT "HAVE BUILT UP SUFFICIENT POWER IN ORDER TO ESCAPE"
65 PRINT "YOUR PLANET'S GRAVITY."
70 PRINT
75 PRINT "YOUR PLANET HAS ENOUGH POWER TO FIRE ONE BOMB AN HOUR."
90 PRINT "ANGLE (BETWEEN 0 AND 360) AND A DISTANCE IN UNITS OF"
100 PRINT "DISTANCE FROM THE ENEMY SHIP WILL BE GIVEN."
111 PRINT "WILL DESTROY IT."
114 PRINT
116 PRINT
117 PRINT
120 PRINT "DO YOU WANT DIRECTIONS";
130 INPUT B$
168 PRINT "
                                     90"
172 PRINT "
                                000000          000000"
174 PRINT "
                                00000  XXXXXXXXXXXXX  00000"
175 PRINT "
                                00000  XXXXXXXXXXXXXXXX  00000"
176 PRINT "
                                0000  XXXXXXXXXXXXXXXXXXXX  0000"
180 PRINT "THE COMPUTER GIVES YOU AND IT A 'CARD'. THE HIGHER CARD"
184 PRINT "
                                00000  XXXXXXXXXXXXX  00000"
185 PRINT "
                                00000          00000"
187 PRINT "
                                00000000000000000000"
198 PRINT "ON THE ABOVE DIAGRAM, THE ROMULAN SHIP IS CIRCLING"
200 PRINT "CONTINUE OR WHEN YOU HAVE FINISHED THE PACK."
210 PRINT
210 PRINT "AND ORBITAL RATE WILL REMAIN CONSTANT."
220 PRINT
230 DIM A$(52),L(54)
270 REM
320 REM
325 PRINT
335 PRINT "YOUR PHOTON BOMB";
340 INPUT A1
366 PRINT
370 M1=L(P)
370 A=A+R
400 PRINT
420 PRINT "YOU: ";A$(M1),"COMPUTER: ";A$(M2)
420 T=360-T
430 N1=INT((M1-.5)/4)
440 PRINT "YOUR PHOTON BOMB EXPLODED";C;"*10^2 MILES FROM THE"
460 A1=A1+1
470 PRINT "THE COMPUTER WINS!!! YOU HAVE";B1;"AND THE COMPUTER HAS";A1
500 B1=B1+1
510 PRINT "YOU WIN. YOU HAVE";B1;"AND THE COMPUTER HAS";A1
520 INPUT C$
530 PRINT "TIE. NO SCORE CHANGE."
540 PRINT "GOOD BYE."
560 INPUT U$
630 PRINT "WE HAVE RUN OUT OF CARDS. FINAL SCORE: YOU: ";B1;
640 PRINT " THE COMPUTER: ";A1:PRINT
660 DATA "S-2","H-2","C-2","D-2","S-3","H-3","C-3","D-3"
670 DATA "S-4","H-4","C-4","D-4","S-5","H-5","C-5","D-5"
680 DATA "S-6","H-6","C-6","D-6","S-7","H-7","C-7","D-7"
700 DATA "S-10","H-10","C-10","D-10","S-J","H-J","C-J","D-J"
710 DATA "S-Q","H-Q","C-Q","D-Q","S-K","H-K","C-K","D-K"

```

\*\*\* War Rocket

WAR  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

-----  
DO YOU WANT INSTRUCTIONS (YES OR NO)  
CONTINUE OR WHEN YOU HAVE FINISHED THE PACK.  
CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-  
WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN.

HERE ARE THE RULES THAT GOVERN YOUR APOLLO SPACE-CRAFT:

- (2) AFTER THE REPORT A '?' WILL APPEAR. ENTER THE NUMBER  
SECOND. EACH UNIT OF FUEL WILL SLOW YOUR DESCENT BY  
1 FOOT/SEC.
- (3) THE MAXIMUM THRUST OF YOUR ENGINE IS 30 FEET/SEC/SEC  
OR 30 UNITS OF FUEL PER SECOND.  
WILL AUTOMATICALLY SHUT DOWN AND YOU WILL BE GIVEN A  
BUT YOUR SECOND BY SECOND REPORT WILL CONTINUE UNTIL  
YOU CONTACT THE LUNAR SURFACE.

BEGINNING LANDING PROCEDURE.....

YOU: 2

> > >

```

0 PRINT "### War Rocket"
10 PRINT TAB(33);"WAR"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
80 PRINT "-----": PRINT
100 PRINT "THIS IS THE CARD GAME OF WAR. EACH CARD IS GIVEN BY SUIT-#"
100 INPUT "DO YOU WANT INSTRUCTIONS (YES OR NO)";A$
160 PRINT "YES OR NO, PLEASE. ";
160 PRINT
200 PRINT "CONTINUE OR WHEN YOU HAVE FINISHED THE PACK."
210 PRINT
210 PRINT"CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-"
220 PRINT
220 PRINT"WARD VELOCITY OF 50 FEET/SEC. 150 UNITS OF FUEL REMAIN."
225 PRINT
230 PRINT"HERE ARE THE RULES THAT GOVERN YOUR APOLLO SPACE-CRAFT:":
PRINT
260 PRINT"(2) AFTER THE REPORT A '?' WILL APPEAR. ENTER THE NUMBER"
270 REM
280 PRINT"    SECOND. EACH UNIT OF FUEL WILL SLOW YOUR DESCENT BY"
290 PRINT"    1 FOOT/SEC."
310 PRINT"(3) THE MAXIMUM THRUST OF YOUR ENGINE IS 30 FEET/SEC/SEC"
320 REM
320 PRINT"    OR 30 UNITS OF FUEL PER SECOND."
340 PRINT"    WILL AUTOMATICALLY SHUT DOWN AND YOU WILL BE GIVEN A"
370 M1=L(P)
370 PRINT"    BUT YOUR SECOND BY SECOND REPORT WILL CONTINUE UNTIL"
380 PRINT"    YOU CONTACT THE LUNAR SURFACE.:PRINT
390 PRINT"BEGINNING LANDING PROCEDURE.....":PRINT
420 PRINT "YOU: ";A$(M1),"COMPUTER: ";A$(M2)
450 PRINT
460 A1=A1+1
470 PRINT "THE COMPUTER WINS!!! YOU HAVE";B1;"AND THE COMPUTER HAS";A1
490 PRINT T;TAB(6);H;TAB(16);V;TAB(26);F;TAB(35);"I";TAB(H/15);"*"
500 INPUT B
510 PRINT "YOU WIN. YOU HAVE";B1;"AND THE COMPUTER HAS";A1
530 PRINT "TIE. NO SCORE CHANGE."
540 V1=V-B+5
550 PRINT "DO YOU WANT TO CONTINUE";
560 INPUT V$
560 F=F-B
570 H=H- .5*(V+V1)
590 PRINT "YES OR NO, PLEASE. ";
600 V=V1
610 PRINT
620 PRINT
640 PRINT T;TAB(4);H;TAB(12);V;TAB(20);F;TAB(29);"I";TAB(H/12+29);"*"
650 B=0
660 DATA "S-2","H-2","C-2","D-2","S-3","H-3","C-3","D-3"
670 PRINT"***** CONTACT *****"
680 DATA "S-6","H-6","C-6","D-6","S-7","H-7","C-7","D-7"
680 H=H+ .5*(V1+V)
690 DATA "S-8","H-8","C-8","D-8","S-9","H-9","C-9","D-9"
700 DATA "S-10","H-10","C-10","D-10","S-J","H-J","C-J","D-J"
700 D=(-V+SQR(V*V+H*(10-2*B)))/(5-B)
710 DATA "S-Q","H-Q","C-Q","D-Q","S-K","H-K","C-K","D-K"
720 DATA "S-A","H-A","C-A","D-A"
730 V1=V+(5-B)*D
780 PRINT F;"UNITS OF FUEL REMAINING."
800 PRINT"CONGRATULATIONS! A PERFECT LANDING!!"
805 PRINT"YOUR LICENSE WILL BE RENEWED.....LATER."
850 INPUT "ANOTHER MISSION";A$
999 END

```

\*\*\* War Target

CREATIVE COMPUTING      TARGET  
                         MORRISTOWN, NEW JERSEY

THIS IS THE CARD GAME OF WAR. EACH CARD IS GIVEN BY SUIT-#  
YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE  
AND THIS IS A TEST TO SEE HOW ACCURATE A SHOT YOU  
ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD  
OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,  
THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z  
DESTROYED!

GOOD LUCK!!

> > > >



```

0 PRINT "### War Target"
10 PRINT TAB(33);"WAR"
10 PRINT TAB(33);"TARGET"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT: PRINT: PRINT
100 PRINT "THIS IS THE CARD GAME OF WAR. EACH CARD IS GIVEN BY SUIT-#"
110 PRINT "YOU ARE THE WEAPONS OFFICER ON THE STARSHIP ENTERPRISE"
120 PRINT "AND THIS IS A TEST TO SEE HOW ACCURATE A SHOT YOU"
130 PRINT "ARE IN A THREE-DIMENSIONAL RANGE. YOU WILL BE TOLD"
150 PRINT "OF THE TARGET IN THREE DIMENSIONAL RECTANGULAR COORDINATES,"
160 PRINT "THE APPROXIMATE NUMBER OF DEGREES FROM THE X AND Z"
190 PRINT "(NUMERICALLY) WINS. THE GAME ENDS WHEN YOU CHOOSE NOT TO"
190 PRINT "DESTROYED!": PRINT: PRINT "GOOD LUCK!!": PRINT: PRINT
220 PRINT
220 A=RNDC(1)*2*P: B=RNDC(1)*2*P: Q=INT(A*R1): W=INT(B*R1)
230 DIM A$(52),L(54)
260 PRINT "RADIANS FROM X AXIS =";A;" FROM Z AXIS =";B
270 REM
280 P1=100000*RNDC(1)+RNDC(1): X=SIN(B)*COS(A)*P1: Y=SIN(B)*SIN(A)*P1
290 Z=COS(B)*P1
320 REM
360 P=P+1
375 P3=P1
380 P=P+1
390 PRINT " ESTIMATED DISTANCE:":P3
400 PRINT:PRINT "INPUT ANGLE DEVIATION FROM X, DEVIATION FROM Z,
DISTANCE":
425 PRINT "FROM Z AXIS =";B1
440 N2=INT((M2-.5)/4)
470 PRINT "THE COMPUTER WINS!!! YOU HAVE":B1;"AND THE COMPUTER HAS":A1
480 X1=P2*SIN(B1)*COS(A1): Y1=P2*SIN(B1)*SIN(A1): Z1=P2*COS(B1)
500 B1=B1+1
510 D=((X1-X)^2+(Y1-Y)^2+(Z1-Z)^2)^(1/2)
530 PRINT: PRINT " * * * HIT * * * TARGET IS NON-FUNCTIONAL": PRINT
550 PRINT "DO YOU WANT TO CONTINUE":
550 PRINT "DISTANCE OF EXPLOSION FROM TARGET WAS":D;"KILOMETERS."
560 INPUT U$
570 PRINT: PRINT "MISSION ACCOMPLISHED IN ";R;" SHOTS."
620 PRINT
670 DATA "S-4","H-4","C-4","D-4","S-5","H-5","C-5","D-5"
680 DATA "S-6","H-6","C-6","D-6","S-7","H-7","C-7","D-7"
700 DATA "S-10","H-10","C-10","D-10","S-J","H-J","C-J","D-J"
710 DATA "S-Q","H-Q","C-Q","D-Q","S-K","H-K","C-K","D-K"
720 DATA "S-A","H-A","C-A","D-A"
770 PRINT "SHOT TO RIGHT OF TARGET";-Y2;"KILOMETERS."
810 PRINT "SHOT BELOW TARGET";-Z2;"KILOMETERS."
820 PRINT "APPROX POSITION OF EXPLOSION: X=";X1;" Y=";Y1;" Z=";Z1
999 END
999 END

```

### Weekday Pizza  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

WHERE TO DELIVER THE ORDERED PIZZAS.

MAP OF THE CITY OF HYATTSVILLE

-----1-----2-----3-----4-----

-  
-  
-  
-

> > > >

```

0 PRINT "### Weekday Pizza"
10 PRINT TAB(32);"WEEKDAY"
10 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
15 PRINT: PRINT
20 DIM S$(16),M$(4)
100 PRINT "WEEKDAY IS A COMPUTER DEMONSTRATION THAT"
100 PRINT "WHERE TO DELIVER THE ORDERED PIZZAS.": PRINT: PRINT
150 REM THIS PROGRAM DETERMINES THE DAY OF THE WEEK
200 DATA "A","B","C","D","E","F","G","H","I","J","K","L","M","N","O"
230 PRINT "MAP OF THE CITY OF HYATTSVILLE": PRINT
250 PRINT " -----1-----2-----3-----4-----"
260 PRINT
280 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
310 LET I2=INT(A-FNB(A)*7)
320 LET Y2=INT(Y/100)
320 PRINT M$(K);
340 PRINT " ";S$(S1);" ";S$(S1+1);" ";S$(S1+2);" ";
350 LET B=INT(A-FNB(A)*7)+1
380 LET T1=INT(Y-FNB(Y)*4)
400 PRINT "-": PRINT "-": PRINT "-": PRINT "-"
410 LET B=6
420 LET B = B-1
440 PRINT " -----1-----2-----3-----4-----": PRINT
460 PRINT "THE OUTPUT IS A MAP OF THE HOMES WHERE"
470 PRINT "YOU ARE TO SEND PIZZAS.": PRINT
490 PRINT "YOUR JOB IS TO GIVE A TRUCK DRIVER"
500 PRINT "THE LOCATION OR COORDINATES OF THE"
510 PRINT "HOME ORDERING THE PIZZA.": PRINT
520 INPUT "DO YOU NEED MORE DIRECTIONS";A$
620 PRINT "THIS IS J. PLEASE SEND A PIZZA."
660 INPUT "UNDERSTAND";A$
750 LET I7=D1-D
780 PRINT " DRIVER TO ";N$;": WHERE DOES ";S$(S);" LIVE";
790 INPUT A(1),A(2)
810 LET I6=I6+12
870 LET A8 = (I5*365)+(I6*30)+I7+INT(I6/2)
870 T=A(1)+(A(2)-1)*4
890 LET K6 = I6
890 PRINT "THIS IS ";S$(T);". I DID NOT ORDER A PIZZA."
900 PRINT "I LIVE AT ";A(1);",";A(2)
920 LET E = Y+65
940 LET F = .35
950 PRINT "YOU HAVE SLEPT ",
1050 PRINT "YOU HAVE PLAYED/STUDIED",
1070 PRINT "YOU HAVE WORKED/PLAYED",
1120 PRINT
1200 PRINT
1210 PRINT
1220 PRINT
1230 PRINT
1360 REM CALCULATE TIME IN YEARS, MONTHS, AND DAYS
1370 LET K1=INT(F*A8)
1460 LET K7=K7+30
1470 LET K6=K6-1
1500 LET K5=K5-1

```

### Wins 23

GAME OF EVEN WINS

FINISHES WITH A TOTAL NUMBER OF CHIPS THAT IS EVEN.  
THE COMPUTER STARTS OUT KNOWING ONLY THE RULES OF THE  
TO QUIT AT ANY TIME, TYPE A '0' AS YOUR MOVE.

THIS IS A GAME CALLED '23 MATCHES'.  
MATCHES. THE OBJECT OF THE GAME IS NOT TO HAVE TO TAKE  
> > > >

```

0 PRINT "### Wins 23"
1 PRINT TAB(28);"GAME OF EVEN WINS"
3 PRINT:PRINT
11 PRINT "FINISHES WITH A TOTAL NUMBER OF CHIPS THAT IS EVEN."
12 PRINT "THE COMPUTER STARTS OUT KNOWING ONLY THE RULES OF THE"
16 PRINT "TO QUIT AT ANY TIME, TYPE A '0' AS YOUR MOVE.": PRINT
20 DIM R(1,5)
25 L=0: B=0
40 R(1,1)=4
40 PRINT:PRINT:PRINT
70 A=0: B=0
80 PRINT " THIS IS A GAME CALLED '23 MATCHES'."
90 P=INT((13*RND(1)+9)/2)*2+1
90 PRINT
110 PRINT "THERE ARE";P;"CHIPS ON THE BOARD."
110 PRINT "MATCHES. THE OBJECT OF THE GAME IS NOT TO HAVE TO TAKE"
130 L1=L
130 PRINT
150 L=INT((P/6-INT(P/6))*6+.5)
160 REM
165 N = 23
170 Q = INT(2*RND(5))
190 P=P-M
190 PRINT "TAILS! YOU GO FIRST. "
195 PRINT
210 PRINT "COMPUTER TAKES";M;"CHIPS LEAVING";P;"... YOUR MOVE";
230 PRINT
250 PRINT "I TAKE 2 MATCHES"
260 N = N -2
270 PRINT "THE NUMBER OF MATCHES IS NOW" N
280 PRINT
290 PRINT "YOUR TURN -- YOU MAY TAKE 1, 2 OR 3 MATCHES."
300 A=A+M
310 INPUT K
330 PRINT "COMPUTER TAKES";P;"CHIPS."
340 R(E,L)=P
350 B=B+P
350 PRINT "THERE ARE NOW";N;"MATCHES REMAINING."
380 PRINT
381 Z = 3
390 PRINT "MY TURN ! I REMOVE" Z "MATCHES"
400 R(E,L)=R(E,L)-1
400 N = N - Z
420 PRINT "GAME OVER ... I WIN!!!": PRINT
430 PRINT "VERY FUNNY! DUMMY!"
440 PRINT "DO YOU WANT TO PLAY OR GOOF AROUND?"
450 PRINT "NOW, HOW MANY MATCHES DO YOU WANT",
460 PRINT M;"IS AN ILLEGAL MOVE ... YOUR MOVE";
470 PRINT
480 PRINT"YOU POOR BOOB! YOU TOOK THE LAST MATCH! I GOTCHA!!"
500 PRINT
510 PRINT "COMPUTER TAKES 1 CHIP LEAVING";P;"... YOUR MOVE";
510 PRINT "GOOD BYE LOSER!"
550 PRINT "COMPUTER TAKES 1 CHIP."
550 PRINT "LETS PLAY AGAIN AND I'LL BLOW YOUR SHOES OFF !!"
560 STOP
570 END
570 END

```

### Wins Hello

GAME OF EVEN WINS  
HELLO  
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

AT THE BEGINNING OF THE GAME, A RANDOM NUMBER OF CHIPS ARE  
PLACED ON THE BOARD. THE NUMBER OF CHIPS ALWAYS STARTS  
AS AN ODD NUMBER. ON EACH TURN, A PLAYER MUST TAKE ONE,  
HELLO. MY NAME IS CREATIVE COMPUTER.  
THE COMPUTER STARTS OUT KNOWING ONLY THE RULES OF THE  
GAME. IT GRADUALLY LEARNS TO PLAY WELL. IT SHOULD BE  
TRY IT!!!!

WHAT'S YOUR NAME

HI THERE, 2, ARE YOU ENJOYING YOURSELF HERE> > >

```

0 PRINT "### Wins Hello"
1 PRINT TAB(28);"GAME OF EVEN WINS"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
2 PRINT TAB(33);"HELLO"
4 INPUT "DO YOU WANT INSTRUCTIONS (YES OR NO)";A$:PRINT
4 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
6 PRINT: PRINT: PRINT
7 PRINT "AT THE BEGINNING OF THE GAME, A RANDOM NUMBER OF CHIPS ARE"
8 PRINT "PLACED ON THE BOARD. THE NUMBER OF CHIPS ALWAYS STARTS"
9 PRINT "AS AN ODD NUMBER. ON EACH TURN, A PLAYER MUST TAKE ONE,"
10 PRINT "HELLO. MY NAME IS CREATIVE COMPUTER."
12 PRINT "THE COMPUTER STARTS OUT KNOWING ONLY THE RULES OF THE"
13 PRINT "GAME. IT GRADUALLY LEARNS TO PLAY WELL. IT SHOULD BE"
15 PRINT "TRY IT!!!!": PRINT
20 DIM R(1,5)
20 PRINT: PRINT: INPUT "WHAT'S YOUR NAME";N$: PRINT
30 PRINT "HI THERE, ";N$;", ARE YOU ENJOYING YOURSELF HERE";
40 R(1,I)=4
50 R(0,I)=4
70 PRINT "I'M GLAD TO HEAR THAT, ";N$;".": PRINT
105 PRINT "SAY, ";N$;", I CAN SOLVE ALL KINDS OF PROBLEMS EXCEPT"
110 PRINT "THERE ARE";P;"CHIPS ON THE BOARD."
110 PRINT "THOSE DEALING WITH GREECE. WHAT KIND OF PROBLEMS DO"
120 E1=E
126 PRINT
138 PRINT "OH, ";N$;", YOUR ANSWER OF ";C$;" IS GREEK TO ME."
140 E=(A/2-INT(A/2))*2
145 PRINT "I CAN SYMPATHIZE WITH YOU ";N$;". I HAVE TO WORK"
150 L=INT((P/6-INT(P/6))*6+.5)
153 PRINT "IS TO OPEN A RETAIL COMPUTER STORE. IT'S GREAT FUN."
162 PRINT "ENCYCLOPEADIAS OR MARRY SOMEONE RICH OR STOP EATING"
164 PRINT "SO YOU WON'T NEED SO MUCH MONEY?"
170 M=R(E,L)
185 PRINT "      1. TAKE TWO ASPRIN"
188 PRINT "      2. DRINK PLENTY OF FLUIDS (ORANGE JUICE, NOT BEER!)"
215 PRINT "DON'T GET ALL SHOOK, ";N$;", JUST ANSWER THE QUESTION"
220 B=B+M
230 INPUT M
230 PRINT "WHY ARE YOU HERE IN SUFFERN, ";N$;"? YOU SHOULD BE"
235 PRINT "IN TOKYO OR NEW YORK OR AMSTERDAM OR SOMEPLACE WITH SOME"
240 PRINT "REAL ACTION."
250 PRINT
255 PRINT "ANY MORE PROBLEMS YOU WANT SOLVED, ";N$;
260 INPUT E$: PRINT
300 A=A+M
315 PRINT "DID YOU LEAVE THE MONEY";
320 INPUT G$: PRINT
335 PRINT "YOUR ANSWER OF ";G$;" CONFUSES ME, ";N$;".
350 B=B+P
350 PRINT "HEY, ";N$;"??? YOU LEFT NO MONEY AT ALL!"
360 PRINT:PRINT "WHAT A RIP OFF, ";N$;"!!!!":PRINT
370 PRINT "GAME OVER ... YOU WIN!!!!": PRINT
460 PRINT M;"IS AN ILLEGAL MOVE ... YOUR MOVE";
510 PRINT "COMPUTER TAKES 1 CHIP LEAVING";P;"... YOUR MOVE";
530 PRINT "THERE IS 1 CHIP ON THE BOARD."
550 PRINT "COMPUTER TAKES 1 CHIP."

```

\*\*\* Word IQ

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

! ! ! ! ! ! !  
CLUES TO HELP YOU GET IT. GOOD LUCK!!

! ! !  
58 59 60  
67 68 69

TO SAVE TYPING TIME, A COMPRESSED VERSION OF THE GAME BOARD

YOU ARE STARTING A NEW GAME...

> > > >



```

0 PRINT "### Word IQ"
2 PRINT TAB(33);"WORD"
2 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
4 PRINT: PRINT
12 PRINT "! ! ! ! ! !"
15 PRINT "CLUES TO HELP YOU GET IT. GOOD LUCK!": PRINT: PRINT
16 PRINT " ! ! !"
17 PRINT " 58 59 60": PRINT
19 PRINT " 67 68 69": PRINT
20 REM
20 PRINT "TO SAVE TYPING TIME, A COMPRESSED VERSION OF THE GAME BOARD"
28 REM *** SET UP BOARD
30 PRINT: PRINT: PRINT "YOU ARE STARTING A NEW GAME..."
50 C=INT(RND(1)*N+1)
70 REM *** INPUT MOVE AND CHECK ON LEGALITY
81 DATA 42,43,44,47,48,49,50,51,52,53,58,59,60,67,68,69
90 G=0
95 S(0)=LEN(S$)
150 PRINT "GUESS A FIVE LETTER WORD":
160 INPUT L$
170 G=G+1
175 L(0)=LEN(L$)
205 M=0: Q=1
231 P(0)=L(J)
232 Q=Q+1
250 M=M+1
270 A(0)=5
272 P(0)=M
280 PRINT "THERE WERE";M;"MATCHES AND THE COMMON LETTERS WERE...";P$
285 PRINT "FROM THE EXACT LETTER MATCHES, YOU KNOW.....";A$
289 PRINT
400 PRINT "YOU MUST GUESS A 5 LETTER WORD. START AGAIN."
500 PRINT "YOU HAVE GUESSED THE WORD. IT TOOK";G;"GUESSES!": PRINT
600 PRINT TAB(X*2);"0";
610 REM
620 PRINT
1060 T(X,Y+1)=0: B(C+1)=-3
1090 T(X+2,Y)=5: T(X+1,Y)=0: B(C+9)=-3
1220 C=C+1
1505 F=0
1605 PRINT "THE GAME IS OVER."
1610 PRINT "YOU HAD";F;"PIECES REMAINING."
1613 PRINT "SAVE THIS PAPER AS A RECORD OF YOUR ACCOMPLISHMENT!"

```

### ### Word Rocket

CREATIVE COMPUTING      WORD  
MORRISTOWN, NEW JERSEY

CLUES TO HELP YOU GET IT. GOOD LUCK!!

CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

```

0 PRINT "### Word Rocket"
2 PRINT TAB(33);"WORD"
3 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
4 PRINT: PRINT: PRINT
10 PRINT "I AM THINKING OF A WORD -- YOU GUESS IT. I WILL GIVE YOU"
10 PRINT TAB(30); "ROCKET"
15 PRINT "CLUES TO HELP YOU GET IT. GOOD LUCK!": PRINT: PRINT
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT: PRINT: PRINT "YOU ARE STARTING A NEW GAME..."
30 PRINT:PRINT:PRINT
50 C=INT(RND(1)*N+1)
70 PRINT "LUNAR LANDING SIMULATION"
95 S(0)=LEN(S$)
100 INPUT "DO YOU WANT INSTRUCTIONS (YES OR NO)";A$
120 A(I)=45
150 PRINT "GUESS A FIVE LETTER WORD";
160 INPUT L$
170 G=G+1
205 M=0: Q=1
210 PRINT"CONTROL 1000 FEET ABOVE A GOOD LANDING SPOT. YOU HAVE A DOWN-"
225 PRINT
232 Q=Q+1
240 A(J)=L(J)
240 PRINT"(1) AFTER EACH SECOND THE HEIGHT, VELOCITY, AND REMAINING FUEL"
250 PRINT" WILL BE REPORTED VIA DIGBY YOUR ON-BOARD COMPUTER."
260 PRINT"(2) AFTER THE REPORT A '?' WILL APPEAR. ENTER THE NUMBER"
270 A(0)=5
272 P(0)=M
280 PRINT "THERE WERE";M;"MATCHES AND THE COMMON LETTERS WERE...";P$
280 PRINT" SECOND. EACH UNIT OF FUEL WILL SLOW YOUR DESCENT BY"
285 PRINT "FROM THE EXACT LETTER MATCHES, YOU KNOW.....";A$
289 PRINT
310 PRINT "THE SECRET WORD IS ";S$: PRINT
310 PRINT"(3) THE MAXIMUM THRUST OF YOUR ENGINE IS 30 FEET/SEC/SEC"
320 PRINT" OR 30 UNITS OF FUEL PER SECOND."
330 PRINT"(4) WHEN YOU CONTACT THE LUNAR SURFACE, YOUR DESCENT ENGINE"
340 PRINT" WILL AUTOMATICALLY SHUT DOWN AND YOU WILL BE GIVEN A"
350 PRINT" REPORT OF YOUR LANDING SPEED AND REMAINING FUEL."
380 PRINT" YOU CONTACT THE LUNAR SURFACE.:PRINT
490 PRINT T;TAB(6);H;TAB(16);V;TAB(26);F;TAB(35);"I";TAB(H/15);"*"
500 PRINT "YOU HAVE GUESSED THE WORD. IT TOOK";G;"GUESSES!": PRINT
500 INPUT B
530 DATA 12,"DINKY","SMOKE","WATER","GRASS","TRAIN","MIGHT","FIRST"
540 V1=V-B+5
570 H=H- .5*(V+V1)
640 PRINT T;TAB(4);H;TAB(12);V;TAB(20);F;TAB(29);"I";TAB(H/12+29);"*"
650 B=0
670 PRINT"***** CONTACT *****"
680 H=H+ .5*(V1+V)
700 D=(-V+SQR(V*V+H*(10-2*B)))/(5-B)
720 D=H/V
730 V1=V+(5-B)*D
805 PRINT"YOUR LICENSE WILL BE RENEWED.....LATER."
820 PRINT"***** SORRY, BUT YOU BLEW IT!!!"
850 INPUT "ANOTHER MISSION";A$
870 PRINT: PRINT "CONTROL OUT.": PRINT

```